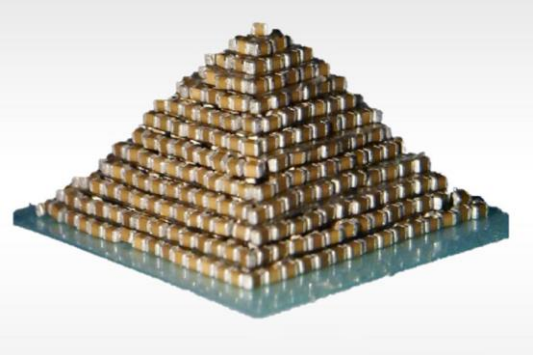
DARFON

Passive Components Product Catalogue ~MLCC~



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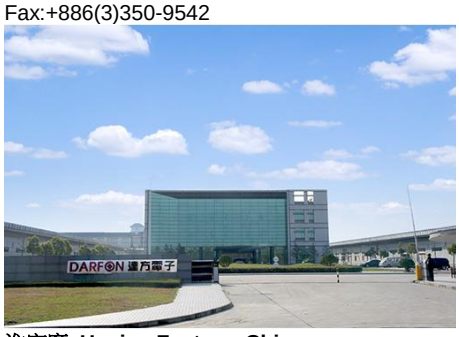

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CONTENT (MLCC_ALL)

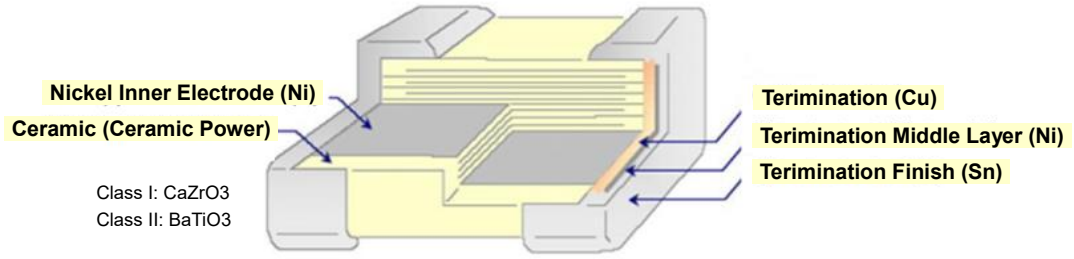
E Standard Number

E3	1.0				2.2				4.7			
E6	1.0		1.5		2.2		3.3		4.7		6.8	
E12	1.0	1.2	1.5	1.8	2.2	2.7	3.3	3.9	4.7	5.6	6.8	8.2
E24	1.0	1.1	1.2	1.3	1.5	1.6	1.8	2.0	2.2	2.4	2.7	3.0	3.3	3.6	3.9	4.3	4.7	5.1	5.6	6.2	6.8	7.5	8.2	9.1

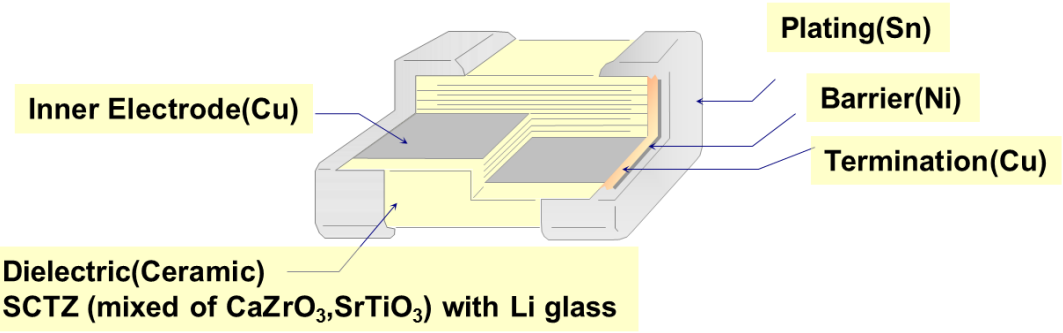
This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

Structure

GENERAL PURPOSE / SUPER SMALL SIZE (EIA 01005)
HIGH FREQUENCY APPLICATION / MIDDLE-HIGH VOLTAGE (100V~3KV)
AUTOMOTIVE APPLICATION



MICROWAVE TYPE



Ordering Code

C I005 NP0 I01 J G T S △

PRODUCT CODE

C = MLCC

SIZE in mm (EIA CODE,in inch)

0402(01005) 0603(0201) I005 (0402) I608 (0603) 2012 (0805)
3216 (1206) 3225(1210) 4520 (1808) 4532 (1812)

T. C.

NP0: 0 ± 30ppm/℃ -55℃ to +125℃ X5R: ±15% -55℃ to +85℃
X7R: ±15% X7S:±22% X7T: +22%/-33% X7U: +22%/-56% -55℃ to +125℃
X6S: ±22% -55℃ to +105℃

CAPACITANCE CODE

Expressed in pico-farads and identified by a three-digit number.
First two digits represent significant figures.
Last digit specifies the number of zeros.
(Use 9 forI.0 through 9.9pF ； Use 8 for 0.20 through 0.99pF)

Examples:

Code	Cap (pF)
478	0.47
229	2.2
101	100
102	1000

TOLERANCE CODE

A: ± 0.05pF B: ± 0.1pF C: ± 0.25pF D: ± 0.5pF F: ±1% G: ±2%
J: ±5% K: ±10% M: ±20%

VOLTAGE CODE

B: 4V C: 6.3V D:I0V E:I6V F: 25V N: 35V G: 50V H:I00V
J: 200V K: 250V L: 500V M: 630V P:IKV Q: 2KV R: 3KV S: 4KV

PACKAGING CODE

T: Paper tape reel Ø180mm (7”)
N: Paper tape reel Ø250mm (10”)
A: Paper tape reel Ø330mm (13”)
W: Special Packing
P: Embossed tape reel Ø180mm (7”)
D: Embossed tape reel Ø250mm (10”)
E: Embossed tape reel Ø330mm (13”)

Application Code

S: Standard Q: High Q/Low ESR F: Microwave A: Automotive Infotainment with AEC-Q200

Thickness Code

Code	Thick (mm)	Code	Thick(mm)	Code	Thick (mm)	Code	Thick (mm)
(blank)	Standard Thick	**M**	0.70	**G**	1.25	**S**	1.90
Z	0.20	**D**	0.80	**H**	1.50	**--**	--
A	0.30	**E**	0.85	**L**	1.60	**--**	--
Q	0.45	**I**	0.95	**N**	2.00	**--**	--
B	0.50	**J**	1.00	**P**	2.50	**--**	--
C	0.60	**F**	1.15	**R**	3.20	**--**	--

Product Range

■ General Purpose (Class I: Temperature Compensating Type)

Series	EIA	Capacitance Range																		
			1pF			10pF			100pF			1nF			10nF			100nF		
C0402NP0_S	01005	0.2pF							100pF											
C0603NP0_S	0201	0.2pF								220pF										
C1005NP0_S	0402	0.2pF									1.5nF									
C1608NP0_S	0603	0.2pF												10nF						
C2012NP0_S	0805					10pF								10nF						
C3216NP0_S	1206					10pF											100nF			

■ General Purpose (Class II: High Dielectric Constant Type)

● X5R Series

Series	EIA	Capacitance Range																		
		100pF		1nF			10nF			100nF			1uF			10uF			100uF	220uF
C0402X5R_S	01005			1nF						100nF										
C0603X5R_S	0201				2.2nF									2.2uF						
C1005X5R_S	0402						10nF									10uF				
C1608X5R_S	0603									100nF								47uF		
C2012X5R_S	0805											470nF							100uF	
C3216X5R_S	1206												1uF							220uF
C3225X5R_S	1210														4.7uF				100uF	

● X6S Series

Please refer “Part Number & Characteristic” of “General Purpose”.

● X7R Series

Series	EIA	Capacitance Range																		
		100pF		1nF			10nF			100nF			1uF			10uF			100uF	220uF
C0402X7R_S	01005	100pF		1nF																
C0603X7R_S	0201	100pF								100nF										
C1005X7R_S	0402	100pF											1uF							
C1608X7R_S	0603	100oF														10uF				
C2012X7R_S	0805	100pF														10uF				
C3216X7R_S	1206			1nF													22uF			
C3225X7R_S	1210												1uF					47uF		

● X7S Series

Please refer “Part Number & Characteristic” of “General Purpose”.

● X7T Series

Please refer “Part Number & Characteristic” of “General Purpose”.

● X7U Series

Please refer “Part Number & Characteristic” of “General Purpose”.

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■ Super Small Size(EIA 01005)
Please refer “Part Number & Characteristic” of “Super Small Size”.

■ High Frequency Application

Series	EIA	Capacitance Range										
			1pF			10pF			100pF			
C0603NP0_Q	0201	0.2pF					22pF					
C1005NP0_Q	0402	0.2pF					22pF					
C1608NP0_Q	0603	0.3pF					22pF					

■ Middle-High Voltage

● NP0 Series

Series	EIA	Capacitance Range																	
			1pF			10pF			100pF			1nF			10nF			100nF		
C0402NP0_S	01005	0.2pF							100pF										
C0603NP0_S	0201	0.2pF										1nF							
C1005NP0_S	0402	0.2pF									1.5nF								
C1608NP0_S	0603	0.2pF													10nF				
C2012NP0_S	0805					10pF										22nF			
C3216NP0_S	1206					10pF												100nF	

● X7R Series

Series	EIA	Capacitance Range																	
		100pF		1nF			10nF			100nF			1uF			10uF			100uF	220uF
C0402X7R_S	01005	100pF		1nF															
C0603X7R_S	0201	100pF								100nF									
C1005X7R_S	0402	100pF											1uF						
C1608X7R_S	0603	100oF														10uF			
C2012X7R_S	0805	100pF														10uF			
C3216X7R_S	1206			1nF													22uF		
C3225X7R_S	1210												1uF					47uF	

■ Microwave Type

Series	EIA	Capacitance Range																	
			1pF			10pF			100pF			1nF			10nF			100nF		
C0402NP0_F	01005	0.2pF				10pF													
C0603NP0_F	0201	0.2pF						33pF											
C1005NP0_F	0402	0.2pF							100pF										

■ Automotive Application for MLCC

● NP0 Series

Series	EIA	Capacitance Range																		
			1pF			10pF			100pF			1nF			10nF			100nF		
C1005NP0_A	0402	0.47pF											1.5nF							
C1608NP0_A	0603	0.47pF													10nF					
C2012NP0_A	0805					10pF						1nF								

● X7R Series

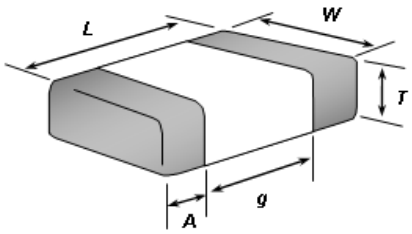
Series	EIA	Capacitance Range																		
		100pF		1nF			10nF			100nF			1uF			10uF			100uF	220uF
C0603X7R_A	0201				2.2nF		10nF													
C1005X7R_A	0402		220pF							100nF										
C1608X7R_A	0603			1nF							220nF									
C2012X7R_A	0805			1nF									1uF							

■ Automotive Application Molding Inductor (SAM / AIM)

				Current	New											
Type	DARFON Series	Dimensions (mm)	Hieght (mm) max	Inductance Range												
				0.1uH		1uH			10uH			100uH				
General Molding for Automotive (SAM Series)	SAM4040_SC	4.00*4.00	1.2		0.33 uH			4.7 uH								
	SAM4040_SH	4.00*4.00	2		0.22 uH				10 uH							
	SAM5050_SE	5.00*5.00	1.5		0.22 uH				10 uH							
	SAM5050_SG	5.00*5.00	1.8			1 uH			10 uH							
	SAM5050_SH	5.00*5.00	2		0.22 uH				10 uH							
	SAM5050_SL	5.00*5.00	3			1 uH				22 uH						
	SAM5050_SN	5.00*5.00	4				4.7 uH				47 uH					
	SAM7070_SE	7.00*7.00	1.5		0.22 uH				10 uH							
	SAM7070_SG	7.00*7.00	1.8	0.1 uH					10 uH							
	SAM7070_SL	7.00*7.00	3	0.1 uH						22 uH						
	SAM7070_SN	7.00*7.00	4					6.8 uH		33 uH						
	SAM7070_SQ	7.00*7.00	5		0.36 uH						68 uH					
	SAM8080_SW	8.0*8.0	5.5					4.7 uH		22 uH						
	SAM1010_TN	10.0*10.0	4		0.47 uH	1.5 uH										
	SAM1010_SN	10.0*10.0	4				2.2 uH				68 uH					
	SAM1010_SW	10.0*10.0	4					6.8 uH				100 uH				
	SAM1313_SR	13.0*13.0	6				3.3 uH						150 uH			
High Efficiency Molding for Automotive (AIM Series)	AIM7070_SQ	7.00*7.00	5					4.7 uH			68 uH					
	AIM1010_SW	10.0*10.0	5.5						10 uH		47 uH					
	AIM1313_SN	13.0*13.0	4							22 uH		100 uH				
	AIM1313_SR	13.0*13.0	6							22 uH		100 uH				

General Purpose

■ Standard External Dimensions



TYPE		Dimension (mm)				
Size (EIA Size)	Kind	L (Length)	W (Width)	T (Max.)	g (Min)	A (Min/Max)
C0603 (0201)	Standard	0.6 ± 0.03	0.30 ± 0.03	0.33	0.15	0.10 / 0.20
	Special (1)	0.6 ± 0.05	0.30 ± 0.05	0.35		
	Special (2)	0.6 ± 0.09	0.30 ± 0.09	0.39		0.10 / 0.25
C1005 (0402)	Standard	1.0 ± 0.05	0.50 ± 0.05	0.55	0.30	0.15 / 0.35
	Special (1)	1.0 ± 0.10	0.50 ± 0.10	0.60		
	Special (2)	1.0 ± 0.15	0.50 ± 0.15	0.65		
	Special (3)	1.0 ± 0.20	0.50 ± 0.20	0.70		
	Special (4)	1.0 ± 0.30	0.50 ± 0.30	0.80		
C1608 (0603)	Standard	1.6 ± 0.10	0.80 ± 0.10	0.90	0.50	0.25 / 0.65
	Special (1)	1.6 ± 0.15	0.80 ± 0.15	0.95		
	Special (2)	1.6 ± 0.20	0.80 ± 0.20	1.00		
	Special (3)	1.6 ± 0.25	0.80 ± 0.25	1.05		
C2012 (0805)	Standard	2.0 ± 0.15	1.25 ± 0.15	1.45	0.70	0.25 / 0.75
	Special (1)	2.0 ± 0.20	1.25 ± 0.20	1.45		
C3216 (1206)	Standard	3.2 ± 0.15	1.60 ±0.15	1.80	1.50	0.25 / 0.75
	Special (1)	3.2 ± 0.20	1.60 ±0.20	1.90		
	Special (2)	3.2 ± 0.30	1.60 ±0.30	1.90		
C3225 (1210)	Standard	3.2 ± 0.30	2.50 ± 0.20	2.80	1.50	0.3 / 0.90
	Special (1)	3.2 ± 0.30	2.50 ± 0.30	2.80		

For special parts,please see the “Part Number & Characteristic” for detail specification.

● Class I: Temperature Compensating Type

■ Feature

1. Ultra-stable
2. Tight tolerance available
3. Low ESR (Frequency is within 800MHz)
4. Good frequency performance
5. No aging of capacitance
6. RoHS compliant
7. Halogen Free

■ Application

1. LC and RC tuned circuit
2. Filtering
3. Timing

■ Part Number & Characteristic

● C0603NP0_S Series (EIA0201)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
				Value	Unit			L/W	Thick.		
	C0603NP0208□GTS	C0603NP0208□GT	1V,IMHz	0.20	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.25%	
	C0603NP0308□GTS	C0603NP0308□GT	1V,IMHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.25%	
	C0603NP0408□GTS	C0603NP0408□GT	1V,IMHz	0.40	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.25%	
	C0603NP0508□GTS	C0603NP0508□GT	1V,IMHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0608□GTS	C0603NP0608□GT	1V,IMHz	0.60	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0708□GTS	C0603NP0708□GT	1V,IMHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0758□GTS	C0603NP0758□GT	1V,IMHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0808□GTS	C0603NP0808□GT	1V,IMHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0908□GTS	C0603NP0908□GT	1V,IMHz	0.90	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0109□GTS	C0603NP0109□GT	1V,IMHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0119□GTS	C0603NP0119□GT	1V,IMHz	1.1	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0129□GTS	C0603NP0129□GT	1V,IMHz	1.2	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0139□GTS	C0603NP0139□GT	1V,IMHz	1.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0159□GTS	C0603NP0159□GT	1V,IMHz	1.5	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0169□GTS	C0603NP0169□GT	1V,IMHz	1.6	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0189□GTS	C0603NP0189□GT	1V,IMHz	1.8	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0209□GTS	C0603NP0209□GT	1V,IMHz	2.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0229□GTS	C0603NP0229□GT	1V,IMHz	2.2	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0249□GTS	C0603NP0249□GT	1V,IMHz	2.4	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.22%	
	C0603NP0279□GTS	C0603NP0279□GT	1V,IMHz	2.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.22%	
	C0603NP0309□GTS	C0603NP0309□GT	1V,IMHz	3.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.22%	
	C0603NP0339□GTS	C0603NP0339□GT	1V,IMHz	3.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
	C0603NP0359□GTS	C0603NP0359□GT	1V,IMHz	3.5	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
	C0603NP0369□GTS	C0603NP0369□GT	1V,IMHz	3.6	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
	C0603NP0399□GTS	C0603NP0399□GT	1V,IMHz	3.9	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
50V	C0603NP0409□GTS	C0603NP0409□GT	1V,IMHz	4.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	Paper,15Kpcs
	C0603NP0439□GTS	C0603NP0439□GT	1V,IMHz	4.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
	C0603NP0479□GTS	C0603NP0479□GT	1V,IMHz	4.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%	
	C0603NP0509□GTS	C0603NP0509□GT	1V,IMHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%	
	C0603NP0519□GTS	C0603NP0519□GT	1V,IMHz	5.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%	
	C0603NP0569□GTS	C0603NP0569□GT	1V,IMHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%	
	C0603NP0609□GTS	C0603NP0609□GT	1V,IMHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%	
	C0603NP0629□GTS	C0603NP0629□GT	1V,IMHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%	
	C0603NP0689□GTS	C0603NP0689□GT	1V,IMHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%	
	C0603NP0709□GTS	C0603NP0709□GT	1V,IMHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%	
	C0603NP0759□GTS	C0603NP0759□GT	1V,IMHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.18%	
	C0603NP0809□GTS	C0603NP0809□GT	1V,IMHz	8.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.18%	
	C0603NP0829□GTS	C0603NP0829□GT	1V,IMHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.18%	
	C0603NP0909□GTS	C0603NP0909□GT	1V,IMHz	9.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.17%	
	C0603NP0919□GTS	C0603NP0919□GT	1V,IMHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.17%	
	C0603NP0100□GTS	C0603NP0100□GT	1V,IMHz	10	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.17%	
	C0603NP0120□GTS	C0603NP0120□GT	1V,IMHz	12	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.16%	
	C0603NP0150□GTS	C0603NP0150□GT	1V,IMHz	15	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.14%	
	C0603NP0180□GTS	C0603NP0180□GT	1V,IMHz	18	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.13%	
	C0603NP0200□GTS	C0603NP0200□GT	1V,IMHz	20	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.13%	
	C0603NP0220□GTS	C0603NP0220□GT	1V,IMHz	22	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.12%	
	C0603NP0240JGTS	C0603NP0240JGT	1V,IMHz	24	pF	±5%	0.30	±0.03	±0.03	0.11%	
	C0603NP0270□GTS	C0603NP0270□GT	1V,IMHz	27	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.11%	
	C0603NP0300□GTS	C0603NP0300□GT	1V,IMHz	30	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0330□GTS	C0603NP0330□GT	1V,IMHz	33	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0360□GTS	C0603NP0360□GT	1V,IMHz	36	pF	±5%,±2%	0.30	±0.03	±0.03	0.10%	

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
				Value	Unit			L/W	Thick.		
50V	C0603NP0390□GTS	C0603NP0390□GT	1V,IMHz	39	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	Paper,15Kpcs
	C0603NP0470□GTS	C0603NP0470□GT	1V,IMHz	47	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0560□GTS	C0603NP0560□GT	1V,IMHz	56	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0620□GTS	C0603NP0620□GT	1V,IMHz	62	pF	±5%,±2%	0.30	±0.03	±0.03	0.10%	
	C0603NP0680□GTS	C0603NP0680□GT	1V,IMHz	68	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0750□GTS	C0603NP0750□GT	1V,IMHz	75	pF	±5%,±2%	0.30	±0.03	±0.03	0.10%	
	C0603NP0820□GTS	C0603NP0820□GT	1V,IMHz	82	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0101□GTS	C0603NP0101□GT	1V,IMHz	100	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0121JGTS	C0603NP0121JGT	1V,IMHz	120	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0151JGTS	C0603NP0151JGT	1V,IMHz	150	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0181JGTS	C0603NP0181JGT	1V,IMHz	180	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0201JGTS	C0603NP0201JGT	1V,IMHz	200	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0221JGTS	C0603NP0221JGT	1V,IMHz	220	pF	±5%	0.30	±0.03	±0.03	0.10%	
25V	C0603NP0208□FTS	C0603NP0208□FT	1V,IMHz	0.20	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.25%	Paper,15Kpcs
	C0603NP0308□FTS	C0603NP0308□FT	1V,IMHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.25%	
	C0603NP0408□FTS	C0603NP0408□FT	1V,IMHz	0.40	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.25%	
	C0603NP0508□FTS	C0603NP0508□FT	1V,IMHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0608□FTS	C0603NP0608□FT	1V,IMHz	0.60	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0708□FTS	C0603NP0708□FT	1V,IMHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0758□FTS	C0603NP0758□FT	1V,IMHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0808□FTS	C0603NP0808□FT	1V,IMHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0908□FTS	C0603NP0908□FT	1V,IMHz	0.90	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0109□FTS	C0603NP0109□FT	1V,IMHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0129□FTS	C0603NP0129□FT	1V,IMHz	1.2	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.24%	
	C0603NP0139□FTS	C0603NP0139□FT	1V,IMHz	1.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0149□FTS	C0603NP0149□FT	1V,IMHz	1.4	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0159□FTS	C0603NP0159□FT	1V,IMHz	1.5	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0169□FTS	C0603NP0169□FT	1V,IMHz	1.6	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0179□FTS	C0603NP0179□FT	1V,IMHz	1.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0189□FTS	C0603NP0189□FT	1V,IMHz	1.8	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0199□FTS	C0603NP0199□FT	1V,IMHz	1.9	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0209□FTS	C0603NP0209□FT	1V,IMHz	2.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0229□FTS	C0603NP0229□FT	1V,IMHz	2.2	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%	
	C0603NP0249□FTS	C0603NP0249□FT	1V,IMHz	2.4	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.22%	
	C0603NP0279□FTS	C0603NP0279□FT	1V,IMHz	2.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.22%	
	C0603NP0309□FTS	C0603NP0309□FT	1V,IMHz	3.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.22%	
	C0603NP0339□FTS	C0603NP0339□FT	1V,IMHz	3.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
	C0603NP0359□FTS	C0603NP0359□FT	1V,IMHz	3.5	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
	C0603NP0369□FTS	C0603NP0369□FT	1V,IMHz	3.6	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
	C0603NP0399□FTS	C0603NP0399□FT	1V,IMHz	3.9	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
	C0603NP0409□FTS	C0603NP0409□FT	1V,IMHz	4.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
	C0603NP0439□FTS	C0603NP0439□FT	1V,IMHz	4.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%	
	C0603NP0479□FTS	C0603NP0479□FT	1V,IMHz	4.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%	
	C0603NP0509□FTS	C0603NP0509□FT	1V,IMHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%	
	C0603NP0519□FTS	C0603NP0519□FT	1V,IMHz	5.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%	
	C0603NP0569□FTS	C0603NP0569□FT	1V,IMHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%	
	C0603NP0609□FTS	C0603NP0609□FT	1V,IMHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%	
	C0603NP0629□FTS	C0603NP0629□FT	1V,IMHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%	
	C0603NP0689□FTS	C0603NP0689□FT	1V,IMHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%	
	C0603NP0709□FTS	C0603NP0709□FT	1V,IMHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%	
	C0603NP0759□FTS	C0603NP0759□FT	1V,IMHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.18%	
	C0603NP0809□FTS	C0603NP0809□FT	1V,IMHz	8.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.18%	
	C0603NP0829□FTS	C0603NP0829□FT	1V,IMHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.18%	
	C0603NP0909□FTS	C0603NP0909□FT	1V,IMHz	9.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.17%	
	C0603NP0919□FTS	C0603NP0919□FT	1V,IMHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.17%	
	C0603NP0100□FTS	C0603NP0100□FT	1V,IMHz	10	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.17%	
	C0603NP0120□FTS	C0603NP0120□FT	1V,IMHz	12	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.16%	
	C0603NP0150□FTS	C0603NP0150□FT	1V,IMHz	15	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.14%	
	C0603NP0160□FTS	C0603NP0160□FT	1V,IMHz	16	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.14%	
	C0603NP0180□FTS	C0603NP0180□FT	1V,IMHz	18	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.13%	
	C0603NP0200□FTS	C0603NP0200□FT	1V,IMHz	20	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.13%	
	C0603NP0220□FTS	C0603NP0220□FT	1V,IMHz	22	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.12%	
	C0603NP0240□FTS	C0603NP0240□FT	1V,IMHz	24	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.11%	
	C0603NP0270□FTS	C0603NP0270□FT	1V,IMHz	27	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.11%	
	C0603NP0300□FTS	C0603NP0300□FT	1V,IMHz	30	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0330□FTS	C0603NP0330□FT	1V,IMHz	33	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
				Value	Unit			L/W	Thick.		
25V	C0603NP0390□FTS	C0603NP0390□FT	1V,IMHz	39	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	Paper,15Kpcs
	C0603NP0470□FTS	C0603NP0470□FT	1V,IMHz	47	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0560□FTS	C0603NP0560□FT	1V,IMHz	56	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0680□FTS	C0603NP0680□FT	1V,IMHz	68	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0820□FTS	C0603NP0820□FT	1V,IMHz	82	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0101□FTS	C0603NP0101□FT	1V,IMHz	100	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0151JFTS	C0603NP0151JFT	1V,IMHz	150	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0181JFTS	C0603NP0181JFT	1V,IMHz	180	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0221JFTS	C0603NP0221JFT	1V,IMHz	220	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0271JFTS	C0603NP0271JFT	1V,IMHz	270	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0331JFTS	C0603NP0331JFT	1V,IMHz	330	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0391JFTS	C0603NP0391JFT	1V,IMHz	390	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0471□FTS	C0603NP0471□FT	1V,IMHz	470	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0681JFTS	C0603NP0681JFT	1V,IMHz	680	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0102JFTS	C0603NP0102JFT	1V,IMHz	1.0	nF	±5%	0.30	±0.03	±0.03	0.10%	
16V	C0603NP0279□ETS	C0603NP0279□ET	1V,IMHz	2.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.22%	Paper,15Kpcs
	C0603NP0330□ETS	C0603NP0330□ET	1V,IMHz	33	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	
	C0603NP0201JETS	C0603NP0201JET	1V,IMHz	200	pF	±5%	0.30	±0.03	±0.03	0.10%	
	C0603NP0221JETS	C0603NP0221JET	1V,IMHz	220	pF	±5%	0.30	±0.03	±0.03	0.10%	
10V	C0603NP0330□DTS	C0603NP0330□DT	1V,IMHz	33	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.10%	Paper,15Kpcs

□ Tolerance Code: A=±0.05 pF,B=±0.1pF,C=±0.25pF ,D=±0.5pF,F=±1%,G=±2%,J=±5%; Special tolerance on the request.

- C1005NP0_S Series (EIA0402)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
				Value	Unit			L/W	Thick.		
50V	C1005NP0208□GTS	C1005NP0208□GT	1V,IMHz	0.20	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.25%	Paper,10Kpcs
	C1005NP0308□GTS	C1005NP0308□GT	1V,IMHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.25%	
	C1005NP0408□GTS	C1005NP0408□GT	1V,IMHz	0.40	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.25%	
	C1005NP0508□GTS	C1005NP0508□GT	1V,IMHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0608□GTS	C1005NP0608□GT	1V,IMHz	0.60	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0688□GTS	C1005NP0688□GT	1V,IMHz	0.68	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0708□GTS	C1005NP0708□GT	1V,IMHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0808□GTS	C1005NP0808□GT	1V,IMHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0828□GTS	C1005NP0828□GT	1V,IMHz	0.82	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0908□GTS	C1005NP0908□GT	1V,IMHz	0.90	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0109□GTS	C1005NP0109□GT	1V,IMHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0129□GTS	C1005NP0129□GT	1V,IMHz	1.2	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0139□GTS	C1005NP0139□GT	1V,IMHz	1.3	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0159□GTS	C1005NP0159□GT	1V,IMHz	1.5	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0169□GTS	C1005NP0169□GT	1V,IMHz	1.6	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0189□GTS	C1005NP0189□GT	1V,IMHz	1.8	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0209□GTS	C1005NP0209□GT	1V,IMHz	2.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0229□GTS	C1005NP0229□GT	1V,IMHz	2.2	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0249□GTS	C1005NP0249□GT	1V,IMHz	2.4	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.22%	
	C1005NP0259□GTS	C1005NP0259□GT	1V,IMHz	2.5	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.22%	
	C1005NP0279□GTS	C1005NP0279□GT	1V,IMHz	2.7	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.22%	
	C1005NP0309□GTS	C1005NP0309□GT	1V,IMHz	3.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.22%	
	C1005NP0339□GTS	C1005NP0339□GT	1V,IMHz	3.3	pF	±0.5pF,±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.21%	
	C1005NP0359□GTS	C1005NP0359□GT	1V,IMHz	3.5	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.21%	
	C1005NP0369□GTS	C1005NP0369□GT	1V,IMHz	3.6	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.21%	
	C1005NP0399□GTS	C1005NP0399□GT	1V,IMHz	3.9	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.21%	
	C1005NP0409□GTS	C1005NP0409□GT	1V,IMHz	4.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.21%	
	C1005NP0439□GTS	C1005NP0439□GT	1V,IMHz	4.3	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.21%	
	C1005NP0479□GTS	C1005NP0479□GT	1V,IMHz	4.7	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.20%	
	C1005NP0509□GTS	C1005NP0509□GT	1V,IMHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.20%	
	C1005NP0519□GTS	C1005NP0519□GT	1V,IMHz	5.1	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.20%	
	C1005NP0569□GTS	C1005NP0569□GT	1V,IMHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.20%	
	C1005NP0609□GTS	C1005NP0609□GT	1V,IMHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.19%	
	C1005NP0629□GTS	C1005NP0629□GT	1V,IMHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.19%	
	C1005NP0689□GTS	C1005NP0689□GT	1V,IMHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.19%	
	C1005NP0709□GTS	C1005NP0709□GT	1V,IMHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.19%	
	C1005NP0759□GTS	C1005NP0759□GT	1V,IMHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.18%	
	C1005NP0809□GTS	C1005NP0809□GT	1V,IMHz	8.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.18%	
	C1005NP0829□GTS	C1005NP0829□GT	1V,IMHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.18%	
	C1005NP0909□GTS	C1005NP0909□GT	1V,IMHz	9.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.17%	

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
				Value	Unit			L/W	Thick.		
50V	C1005NP0919□GTS	C1005NP0919□GT	1V,IMHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.17%	Paper,10Kpcs
	C1005NP0100□GTS	C1005NP0100□GT	1V,IMHz	10	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.17%	
	C1005NP0110□GTS	C1005NP0110□GT	1V,IMHz	11	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.16%	
	C1005NP0120□GTS	C1005NP0120□GT	1V,IMHz	12	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.16%	
	C1005NP0130JGTS	C1005NP0130JGT	1V,IMHz	13	pF	±5%	0.50	±0.05	±0.05	0.15%	
	C1005NP0150□GTS	C1005NP0150□GT	1V,IMHz	15	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.14%	
	C1005NP0160□GTS	C1005NP0160□GT	1V,IMHz	16	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.14%	
	C1005NP0180□GTS	C1005NP0180□GT	1V,IMHz	18	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.13%	
	C1005NP0200□GTS	C1005NP0200□GT	1V,IMHz	20	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.13%	
	C1005NP0220□GTS	C1005NP0220□GT	1V,IMHz	22	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.12%	
	C1005NP0240□GTS	C1005NP0240□GT	1V,IMHz	24	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.11%	
	C1005NP0270□GTS	C1005NP0270□GT	1V,IMHz	27	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.11%	
	C1005NP0300□GTS	C1005NP0300□GT	1V,IMHz	30	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0330□GTS	C1005NP0330□GT	1V,IMHz	33	pF	±10% ,±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0360□GTS	C1005NP0360□GT	1V,IMHz	36	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0390□GTS	C1005NP0390□GT	1V,IMHz	39	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0430□GTS	C1005NP0430□GT	1V,IMHz	43	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0470□GTS	C1005NP0470□GT	1V,IMHz	47	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0510□GTS	C1005NP0510□GT	1V,IMHz	51	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0560□GTS	C1005NP0560□GT	1V,IMHz	56	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0620□GTS	C1005NP0620□GT	1V,IMHz	62	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0680□GTS	C1005NP0680□GT	1V,IMHz	68	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0750□GTS	C1005NP0750□GT	1V,IMHz	75	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0820□GTS	C1005NP0820□GT	1V,IMHz	82	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0910□GTS	C1005NP0910□GT	1V,IMHz	91	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0101□GTS	C1005NP0101□GT	1V,IMHz	100	pF	±10% ,±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0121□GTS	C1005NP0121□GT	1V,IMHz	120	pF	±10% ,±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0131JGTS	C1005NP0131JGT	1V,IMHz	130	pF	±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0151□GTS	C1005NP0151□GT	1V,IMHz	150	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0181□GTS	C1005NP0181□GT	1V,IMHz	180	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0201□GTS	C1005NP0201□GT	1V,IMHz	200	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0221□GTS	C1005NP0221□GT	1V,IMHz	220	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0271□GTS	C1005NP0271□GT	1V,IMHz	270	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0301□GTS	C1005NP0301□GT	1V,IMHz	300	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0331□GTS	C1005NP0331□GT	1V,IMHz	330	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0391□GTS	C1005NP0391□GT	1V,IMHz	390	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0471□GTS	C1005NP0471□GT	1V,IMHz	470	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0561□GTS	C1005NP0561□GT	1V,IMHz	560	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0681□GTS	C1005NP0681□GT	1V,IMHz	680	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0821□GTS	C1005NP0821□GT	1V,IMHz	820	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0102□GTS	C1005NP0102□GT	1V,IMHz	1.0	nF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0152JGTS	C1005NP0152JGT	1V,IKHz	1.5	nF	±5%	0.50	±0.05	±0.05	0.10%	
25V	C1005NP0208□FTS	C1005NP0208□FT	1V,IMHz	0.2	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.25%	Paper,10Kpcs
	C1005NP0308□FTS	C1005NP0308□FT	1V,IMHz	0.3	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.25%	
	C1005NP0508□FTS	C1005NP0508□FT	1V,IMHz	0.5	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0169BFTS	C1005NP0169BFT	1V,IMHz	1.6	pF	±0.1pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0689□FTS	C1005NP0689□FT	1V,IMHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.19%	
	C1005NP0100JFTS	C1005NP0100JFT	1V,IMHz	10	pF	±5%	0.50	±0.05	±0.05	0.17%	
	C1005NP0120□FTS	C1005NP0120□FT	1V,IMHz	12	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.16%	
	C1005NP0160JFTS	C1005NP0160JFT	1V,IMHz	16	pF	±5%	0.50	±0.05	±0.05	0.14%	
	C1005NP0180KFTS	C1005NP0180KFT	1V,IMHz	18	pF	±10%	0.50	±0.05	±0.05	0.13%	
	C1005NP0220JFTS	C1005NP0220JFT	1V,IMHz	22	pF	±5%	0.50	±0.05	±0.05	0.12%	
	C1005NP0240JFTS	C1005NP0240JFT	1V,IMHz	24	pF	±5%	0.50	±0.05	±0.05	0.11%	
	C1005NP0270JFTS	C1005NP0270JFT	1V,IMHz	27	pF	±5%	0.50	±0.05	±0.05	0.11%	
	C1005NP0330□FTS	C1005NP0330□FT	1V,IMHz	33	pF	±10% ,±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0470JFTS	C1005NP0470JFT	1V,IMHz	47	pF	±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0560JFTS	C1005NP0560JFT	1V,IMHz	56	pF	±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0101JFTS	C1005NP0101JFT	1V,IMHz	100	pF	±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0201JFTS	C1005NP0201JFT	1V,IMHz	200	pF	±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0221□FTS	C1005NP0221□FT	1V,IMHz	220	pF	±10% ,±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0271JFTS	C1005NP0271JFT	1V,IMHz	270	pF	±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0331JFTS	C1005NP0331JFT	1V,IMHz	330	pF	±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0471JFTS	C1005NP0471JFT	1V,IMHz	470	pF	±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0561JFTS	C1005NP0561JFT	1V,IMHz	560	pF	±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0102JFTS	C1005NP0102JFT	1V,IMHz	1.0	nF	±5%	0.50	±0.05	±0.05	0.10%	
16V	C1005NP0109BETS	C1005NP0109BET	1V,IMHz	1.0	pF	±0.1pF	0.50	±0.05	±0.05	0.24%	Paper,10Kpcs

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
				Value	Unit			L/W	Thick.		
16V	C1005NP0129BETS	C1005NP0129BET	1V,IMHz	1.2	pF	±0.1pF	0.50	±0.05	±0.05	0.24%	Paper,10Kpcs
	C1005NP0100JETS	C1005NP0100JET	1V,IMHz	10	pF	±5%	0.50	±0.05	±0.05	0.17%	
	C1005NP0150☐ETS	C1005NP0150☐ET	1V,IMHz	15	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.14%	
	C1005NP0220FETS	C1005NP0220FET	1V,IMHz	22	pF	±1%	0.50	±0.05	±0.05	0.12%	
	C1005NP0300JETS	C1005NP0300JET	1V,IMHz	30	pF	±5%	0.50	±0.05	±0.05	0.10%	
	C1005NP0470☐ETS	C1005NP0470☐ET	1V,IMHz	47	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%	
	C1005NP0331☐ETS	C1005NP0331☐ET	1V,IMHz	330	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0471JETS	C1005NP0471JET	1V,IMHz	470	pF	±5%	0.50	±0.05	±0.05	0.10%	
10V	C1005NP0220☐DTS	C1005NP0220☐DT	1V,IMHz	22	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.12%	Paper,10Kpcs

☐ Tolerance Code: A=±0.05 pF,B=±0.1pF,C=±0.25pF ,D=±0.5pF,F=±1%,G=±2%,J=±5%; Special tolerance on the request.

● C1608NP0_S Series (EIA0603)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
				Value	Unit			L/W	Thick.		
50V	C1608NP0308☐GTS	C1608NP0308☐GT	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.25%	Paper,4Kpcs
	C1608NP0478☐GTS	C1608NP0478☐GT	1V,1MHz	0.47	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0508☐GTS	C1608NP0508☐GT	1V,1MHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0568☐GTS	C1608NP0568☐GT	1V,1MHz	0.56	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0688☐GTS	C1608NP0688☐GT	1V,1MHz	0.68	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0758☐GTS	C1608NP0758☐GT	1V,1MHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0828☐GTS	C1608NP0828☐GT	1V,1MHz	0.82	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0109☐GTS	C1608NP0109☐GT	1V,1MHz	1.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0129☐GTS	C1608NP0129☐GT	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0159☐GTS	C1608NP0159☐GT	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	
	C1608NP0189☐GTS	C1608NP0189☐GT	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	
	C1608NP0209☐GTS	C1608NP0209☐GT	1V,1MHz	2.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	
	C1608NP0229☐GTS	C1608NP0229☐GT	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	
	C1608NP0249☐GTS	C1608NP0249☐GT	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%	
	C1608NP0279☐GTS	C1608NP0279☐GT	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%	
	C1608NP0309☐GTS	C1608NP0309☐GT	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%	
	C1608NP0339☐GTS	C1608NP0339☐GT	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%	
	C1608NP0399☐GTS	C1608NP0399☐GT	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%	
	C1608NP0409☐GTS	C1608NP0409☐GT	1V,1MHz	4.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%	
	C1608NP0479☐GTS	C1608NP0479☐GT	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.20%	
	C1608NP0509☐GTS	C1608NP0509☐GT	1V,1MHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.20%	
	C1608NP0569☐GTS	C1608NP0569☐GT	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.20%	
	C1608NP0609☐GTS	C1608NP0609☐GT	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0629☐GTS	C1608NP0629☐GT	1V,1MHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0689☐GTS	C1608NP0689☐GT	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0709☐GTS	C1608NP0709☐GT	1V,1MHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0809☐GTS	C1608NP0809☐GT	1V,1MHz	8.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.18%	
	C1608NP0829☐GTS	C1608NP0829☐GT	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.18%	
	C1608NP0909☐GTS	C1608NP0909☐GT	1V,1MHz	9.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.17%	
	C1608NP0100☐GTS	C1608NP0100☐GT	1V,1MHz	10	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.17%	
	C1608NP0110☐GTS	C1608NP0110☐GT	1V,1MHz	11	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.16%	
	C1608NP0120☐GTS	C1608NP0120☐GT	1V,1MHz	12	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.16%	
	C1608NP0150☐GTS	C1608NP0150☐GT	1V,1MHz	15	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.14%	
	C1608NP0160☐GTS	C1608NP0160☐GT	1V,1MHz	16	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.14%	
	C1608NP0180☐GTS	C1608NP0180☐GT	1V,1MHz	18	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.13%	
	C1608NP0200☐GTS	C1608NP0200☐GT	1V,1MHz	20	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.13%	
	C1608NP0220☐GTS	C1608NP0220☐GT	1V,1MHz	22	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.12%	
	C1608NP0240☐GTS	C1608NP0240☐GT	1V,1MHz	24	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.11%	
	C1608NP0270☐GTS	C1608NP0270☐GT	1V,1MHz	27	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.11%	
	C1608NP0300☐GTS	C1608NP0300☐GT	1V,1MHz	30	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0330☐GTS	C1608NP0330☐GT	1V,1MHz	33	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0360☐GTS	C1608NP0360☐GT	1V,1MHz	36	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0390☐GTS	C1608NP0390☐GT	1V,1MHz	39	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0430☐GTS	C1608NP0430☐GT	1V,1MHz	43	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0470☐GTS	C1608NP0470☐GT	1V,1MHz	47	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0560☐GTS	C1608NP0560☐GT	1V,1MHz	56	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0620☐GTS	C1608NP0620☐GT	1V,1MHz	62	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0680☐GTS	C1608NP0680☐GT	1V,1MHz	68	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0750☐GTS	C1608NP0750☐GT	1V,1MHz	75	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0820☐GTS	C1608NP0820☐GT	1V,1MHz	82	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
				Value	Unit			L/W	Thick.		
50V	C1608NP0910□GTS	C1608NP0910□GT	1V,1MHz	91	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	Paper,4Kpcs
	C1608NP0101□GTS	C1608NP0101□GT	1V,1MHz	100	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0121□GTS	C1608NP0121□GT	1V,1MHz	120	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0151□GTS	C1608NP0151□GT	1V,1MHz	150	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0181□GTS	C1608NP0181□GT	1V,1MHz	180	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0201□GTS	C1608NP0201□GT	1V,1MHz	200	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0221□GTS	C1608NP0221□GT	1V,1MHz	220	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0271□GTS	C1608NP0271□GT	1V,1MHz	270	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0331□GTS	C1608NP0331□GT	1V,1MHz	330	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0391□GTS	C1608NP0391□GT	1V,1MHz	390	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0431JGTS	C1608NP0431JGT	1V,1MHz	430	pF	±5%	0.80	±0.10	±0.10	0.10%	
	C1608NP0471□GTS	C1608NP0471□GT	1V,1MHz	470	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0561□GTS	C1608NP0561□GT	1V,1MHz	560	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0681□GTS	C1608NP0681□GT	1V,1MHz	680	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0821□GTS	C1608NP0821□GT	1V,1MHz	820	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0102□GTS	C1608NP0102□GT	1V,1MHz	1.0	nF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%	
	C1608NP0122JGTS	C1608NP0122JGT	1V,1KHz	1.2	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0152□GTS	C1608NP0152□GT	1V,1KHz	1.5	nF	±5%,±2%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0182JGTS	C1608NP0182JGT	1V,1KHz	1.8	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0222JGTS	C1608NP0222JGT	1V,1KHz	2.2	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0272JGTS	C1608NP0272JGT	1V,1KHz	2.7	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0332JGTS	C1608NP0332JGT	1V,1KHz	3.3	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0392JGTS	C1608NP0392JGT	1V,1KHz	3.9	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0472JGTS	C1608NP0472JGT	1V,1KHz	4.7	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0562JGTS	C1608NP0562JGT	1V,1KHz	5.6	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0682JGTS	C1608NP0682JGT	1V,1KHz	6.8	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0822JGTS	C1608NP0822JGT	1V,1KHz	8.2	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0103JGTS	C1608NP0103JGT	1V,1KHz	10	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
25V	C1608NP0279CFTS	C1608NP0279CFT	1V,1MHz	2.7	pF	±0.25pF	0.80	±0.10	±0.10	0.22%	Paper,4Kpcs
	C1608NP0309CFTS	C1608NP0309CFT	1V,1MHz	3.0	pF	±0.25pF	0.80	±0.10	±0.10	0.22%	
	C1608NP0609DFTS	C1608NP0609DFT	1V,1MHz	6.0	pF	±0.5pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0220JFTS	C1608NP0220JFT	1V,1MHz	22	pF	±5%	0.80	±0.10	±0.10	0.12%	
	C1608NP0470JFTS	C1608NP0470JFT	1V,1MHz	47	pF	±5%	0.80	±0.10	±0.10	0.10%	
	C1608NP0101□FTS	C1608NP0101□FT	1V,1MHz	100	pF	±10%,±5%	0.80	±0.10	±0.10	0.10%	
	C1608NP0121□FTS	C1608NP0121□FT	1V,1MHz	120	pF	±10%,±5%	0.80	±0.10	±0.10	0.10%	
	C1608NP0471□FTS	C1608NP0471□FT	1V,1MHz	470	pF	±10%,±5%	0.80	±0.10	±0.10	0.10%	
	C1608NP0102JFTS	C1608NP0102JFT	1V,1MHz	1.0	nF	±5%	0.80	±0.10	±0.10	0.10%	
	C1608NP0152JFTS	C1608NP0152JFT	1V,1KHz	1.5	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0222JFTS	C1608NP0222JFT	1V,1KHz	2.2	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0682JFTS	C1608NP0682JFT	1V,1KHz	6.8	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0822JFTS	C1608NP0822JFT	1V,1KHz	8.2	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0103JFTS	C1608NP0103JFT	1V,1KHz	10	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
16V	C1608NP0180□ETS	C1608NP0180□ET	1V,1MHz	18	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.13%	Paper,4Kpcs
	C1608NP0300JETS	C1608NP0300JET	1V,1MHz	30	pF	±5%	0.80	±0.10	±0.10	0.10%	
	C1608NP0152JETS	C1608NP0152JET	1V,1KHz	1.5	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0222JETS	C1608NP0222JET	1V,1KHz	2.2	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0272JETS	C1608NP0272JET	1V,1KHz	2.7	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0332JETS	C1608NP0332JET	1V,1KHz	3.3	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
	C1608NP0822JETS	C1608NP0822JET	1V,1KHz	8.2	nF	±5%	0.80	+0.15/-0.10	+0.15/-0.10	0.10%	
10V	C1608NP0101□DTS	C1608NP0101□DT	1V,1MHz	100	pF	±10%,±5%	0.80	±0.10	±0.10	0.10%	Paper,4Kpcs

□ Tolerance Code: F=±1%,G=±2%,J=±5%; Special tolerance on the request.

- C2012NP0_S Series (EIA0805)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
				Value	Unit			L/W	Thick.		
50V	C2012NP0100☐GTS	C2012NP0100☐GT	1V,1MHz	10	pF	±10%,±5%,±2%	0.60	±0.15	±0.15	0.17%	Paper,4Kpcs
	C2012NP0120☐GTS	C2012NP0120☐GT	1V,1MHz	12	pF	±5%,±2%	0.60	±0.15	±0.15	0.16%	
	C2012NP0150☐GTS	C2012NP0150☐GT	1V,1MHz	15	pF	±5%,±2%	0.60	±0.15	±0.15	0.14%	
	C2012NP0180☐GTS	C2012NP0180☐GT	1V,1MHz	18	pF	±5%,±2%	0.60	±0.15	±0.15	0.13%	
	C2012NP0200☐GTS	C2012NP0200☐GT	1V,1MHz	20	pF	±5%,±2%	0.60	±0.15	±0.15	0.13%	
	C2012NP0220☐GTS	C2012NP0220☐GT	1V,1MHz	22	pF	±5%,±2%	0.60	±0.15	±0.15	0.12%	
	C2012NP0270☐GTS	C2012NP0270☐GT	1V,1MHz	27	pF	±5%,±2%	0.60	±0.15	±0.15	0.11%	
	C2012NP0300☐GTS	C2012NP0300☐GT	1V,1MHz	30	pF	±5%,±2%	0.60	±0.15	±0.15	0.10%	
	C2012NP0330☐GTS	C2012NP0330☐GT	1V,1MHz	33	pF	±5%,±2%	0.60	±0.15	±0.15	0.10%	
	C2012NP0360☐GTS	C2012NP0360☐GT	1V,1MHz	36	pF	±5%,±2%	0.60	±0.15	±0.15	0.10%	
	C2012NP0390☐GTS	C2012NP0390☐GT	1V,1MHz	39	pF	±5%,±2%	0.60	±0.15	±0.15	0.10%	
	C2012NP0470☐GTS	C2012NP0470☐GT	1V,1MHz	47	pF	±5%,±2%	0.60	±0.15	±0.15	0.10%	
	C2012NP0560☐GTS	C2012NP0560☐GT	1V,1MHz	56	pF	±10%,±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0680☐GTS	C2012NP0680☐GT	1V,1MHz	68	pF	±5%,±2%	0.60	±0.15	±0.15	0.10%	
	C2012NP0820☐GTS	C2012NP0820☐GT	1V,1MHz	82	pF	±5%,±2%	0.60	±0.15	±0.15	0.10%	
	C2012NP0101☐GTS	C2012NP0101☐GT	1V,1MHz	100	pF	±5%,±2%,±1%	0.60	±0.15	±0.15	0.10%	
	C2012NP0121JGTS	C2012NP0121JGT	1V,1MHz	120	pF	±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0151JGTS	C2012NP0151JGT	1V,1MHz	150	pF	±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0201JGTS	C2012NP0201JGT	1V,1MHz	200	pF	±5%	0.60	±0.15	±0.15	0. 10%	
	C2012NP0221☐GTS	C2012NP0221☐GT	1V,1MHz	220	pF	±5%,±2%,±1%	0.60	±0.15	±0.15	0.10%	
	C2012NP0271JGTS	C2012NP0271JGT	1V,1MHz	270	pF	±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0331JGTS	C2012NP0331JGT	1V,1MHz	330	pF	±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0391JGTS	C2012NP0391JGT	1V,1MHz	390	pF	±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0471JGTS	C2012NP0471JGT	1V,1MHz	470	pF	±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0471JGTSE		1V,1MHz	470	pF	±5%	0.85	±0.15	±0.15	0.10%	
	C2012NP0561JGTS	C2012NP0561JGT	1V,1MHz	560	pF	±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0681JGTS	C2012NP0681JGT	1V,1MHz	680	pF	±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0821JGTS	C2012NP0821JGT	1V,1MHz	820	pF	±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0102JGTS	C2012NP0102JGT	1V,1MHz	1.0	nF	±5%	0.60	±0.15	±0.15	0.10%	
	C2012NP0122JGTS	C2012NP0122JGT	1V,1KHz	1.2	nF	±5%	0.85	±0.15	±0.15	0.10%	
	C2012NP0152JGTS	C2012NP0152JGT	1V,1KHz	1.5	nF	±5%	0.85	±0.15	±0.15	0.10%	
	C2012NP0182JGTS	C2012NP0182JGT	1V,1KHz	1.8	nF	±5%	0.85	±0.15	±0.15	0.10%	
	C2012NP0222JGTS	C2012NP0222JGT	1V,1KHz	2.2	nF	±5%	0.85	±0.15	±0.15	0.10%	
	C2012NP0272JGTS	C2012NP0272JGT	1V,1KHz	2.7	nF	±5%	0.85	±0.15	±0.15	0.10%	
	C2012NP0272JGPS	C2012NP0272JGP	1V,1KHz	2.7	nF	±5%	1.25	±0.15	±0.20	0.10%	Embossed,3Kpcs
	C2012NP0332JGTS	C2012NP0332JGT	1V,1KHz	3.3	nF	±5%	0.85	±0.15	±0.15	0.10%	Paper,4Kpcs
	C2012NP0332JGPS	C2012NP0332JGP	1V,1KHz	3.3	nF	±5%	1.25	±0.15	±0.20	0.10%	Embossed,3Kpcs
	C2012NP0392JGTS	C2012NP0392JGT	1V,1KHz	3.9	nF	±5%	0.85	±0.15	±0.15	0.10%	Paper,4Kpcs
	C2012NP0392JGPS	C2012NP0392JGP	1V,1KHz	3.9	nF	±5%	1.25	±0.15	±0.20	0.10%	Embossed,3Kpcs
	C2012NP0472JGTS	C2012NP0472JGT	1V,1KHz	4.7	nF	±5%	0.85	±0.15	±0.15	0.10%	Paper,4Kpcs
	C2012NP0472JGPS	C2012NP0472JGP	1V,1KHz	4.7	nF	±5%	1.25	±0.15	±0.20	0.10%	Embossed,3Kpcs
	C2012NP0562JGPS	C2012NP0562JGP	1V,1KHz	5.6	nF	±5%	1.25	±0.15	±0.20	0.10%	
	C2012NP0682JGPS	C2012NP0682JGP	1V,1KHz	6.8	nF	±5%	1.25	±0.15	±0.20	0.10%	
	C2012NP0822JGPS	C2012NP0822JGP	1V,1KHz	8.2	nF	±5%	1.25	±0.15	±0.20	0.10%	
	C2012NP0103JGTS	C2012NP0103JGT	1V,1KHz	10	nF	±5%	0.85	±0.15	±0.10	0.10%	Paper,4Kpcs
	C2012NP0103JGPS	C2012NP0103JGP	1V,1KHz	10	nF	±5%	1.25	±0.15	±0.20	0.10%	Emobssed,3Kpcs
	C2012NP0223JGPS	C2012NP0223JGP	1V,1KHz	22	nF	±5%	1.25	±0.15	±0.20	0.10%	
25V	C2012NP0222JFTS	C2012NP0222JFT	1V,1KHz	2.2	nF	±5%	0.85	±0.15	±0.15	0.10%	Paper,4Kpcs
16V	C2012NP0100JETS	C2012NP0100JET	1V,1MHz	10	pF	±5%	0.60	±0.15	±0.15	0.17%	Paper,4Kpcs
	C2012NP0270☐ETS	C2012NP0270☐ET	1V,1MHz	27	pF	±5%,±2%	0.60	±0.15	±0.15	0.11%	
	C2012NP0332JEPS	C2012NP0332JEP	1V,1KHz	3.3	nF	±5%	1.25	±0.15	±0.20	0.10%	Embossed,3Kpcs

☐ Tolerance Code: F=±1%,G=±2%,J=±5%; Special tolerance on the request.

- C3216NP0_S Series (EIA1206)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
				Value	Unit			L/W	Thick.		
50V	C3216NP0100JGTS	C3216NP0100JGT	1V,1MHz	10	pF	±5%	0.80	±0.15	±0.10	0.17%	Paper,4Kpcs
	C3216NP0220JGTS	C3216NP0220JGT	1V,1MHz	22	pF	±5%	0.80	±0.15	±0.10	0.12%	
	C3216NP0101JGTS	C3216NP0101JGT	1V,1MHz	100	pF	±5%	0.80	±0.15	±0.10	0.10%	
	C3216NP0221JGTS	C3216NP0221JGT	1V,1MHz	220	pF	±5%	0.80	±0.15	±0.10	0.10%	
	C3216NP0822JGPS	C3216NP0822JGP	1V,1KHz	8.2	nF	±5%	1.25	±0.15	±0.20	0.10%	Embossed,3Kpcs
	C3216NP0103JGPS	C3216NP0103JGP	1V,1KHz	10	nF	±5%	1.25	±0.15	±0.20	0.10%	
	C3216NP0123JGPS	C3216NP0123JGP	1V,1KHz	12	nF	±5%	1.60	±0.30	±0.30	0.10%	Embossed,2Kpcs
	C3216NP0153JGPS	C3216NP0153JGP	1V,1KHz	15	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0183JGPS	C3216NP0183JGP	1V,1KHz	18	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0223JGPS	C3216NP0223JGP	1V,1KHz	22	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0273JGPS	C3216NP0273JGP	1V,1KHz	27	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0333JGPS	C3216NP0333JGP	1V,1KHz	33	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0393JGPS	C3216NP0393JGP	1V,1KHz	39	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0104JGPS	C3216NP0104JGP	1V,1KHz	100	nF	±5%	1.60	±0.30	±0.30	0.10%	Embossed,2Kpcs
25V	C3216NP0104JFPS	C3216NP0104JFP	1V,1KHz	100	nF	±5%	1.60	±0.30	±0.30	0.10%	Embossed,2Kpcs
16V	C3216NP0123JEPS	C3216NP0123JEP	1V,1KHz	12	nF	±5%	1.60	±0.30	±0.30	0.10%	Embossed,2Kpcs
	C3216NP0153JEPS	C3216NP0153JEP	1V,1KHz	15	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0183JEPS	C3216NP0183JEP	1V,1KHz	18	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0223JEPS	C3216NP0223JEP	1V,1KHz	22	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0273JEPS	C3216NP0273JEP	1V,1KHz	27	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0333JEPS	C3216NP0333JEP	1V,1KHz	33	nF	±5%	1.60	±0.30	±0.30	0.10%	
	C3216NP0393JEPS	C3216NP0393JEP	1V,1KHz	39	nF	±5%	1.60	±0.30	±0.30	0.10%	

☐ Tolerance Code: F=±1%,G=±2%,J=±5%; Special tolerance on the request.

● Class II: High Dielectric Constant Type

■ Feature

1. High volumetric efficiency
2. High insulation resistance
3. RoHS compliant
4. Halogen Free

■ Application

1. Blocking
2. Coupling
3. Timing
4. Bypassing
5. Frequency discriminating
6. Flittering

■ Part Number & Characteristic

■ X5R Series

● C0603X5R Series(EIA0201)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C0603X5R331KGTS	C0603X5R331KGT	1V,1KHz	330	pF	±10%	0.30	± 0.03	± 0.03	5.0%	Paper,15Kpcs	(I)
	C0603X5R102□GTS	C0603X5R102□GT	1V,1KHz	1.0	nF	±10% ,±20%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X5R103KGTS	C0603X5R103KGT	1V,1KHz	10	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(II)*
	C0603X5R104KGTS	C0603X5R104KGT	1V,1KHz	100	nF	±10%	0.30	± 0.03	± 0.03	10.0%		(II)*
35V	C0603X5R104KNTS	C0603X5R104KNT	1V,1KHz	100	nF	±10%	0.30	± 0.03	± 0.03	10.0%	Paper,15Kpcs	(II)
25V	C0603X5R101KFTS	C0603X5R101KFT	1V,1KHz	100	pF	±10%	0.30	± 0.03	± 0.03	5.0%	Paper,15Kpcs	(I)
	C0603X5R151KFTS	C0603X5R151KFT	1V,1KHz	150	pF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X5R221KFTS	C0603X5R221KFT	1V,1KHz	220	pF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X5R102□FTS	C0603X5R102□FT	1V,1KHz	1.0	nF	±10% ,±20%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X5R222KFTS	C0603X5R222KFT	1V,1KHz	2.2	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X5R472KFTS	C0603X5R472KFT	1V,1KHz	4.7	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X5R682KFTS	C0603X5R682KFT	1V,1KHz	6.8	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X5R103□FTS	C0603X5R103□FT	1V,1KHz	10	nF	±10% ,±20%	0.30	± 0.03	± 0.03	5.0%		(II)*
	C0603X5R153□FTS	C0603X5R153□FT	1V,1KHz	15	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R183□FTS	C0603X5R183□FT	1V,1KHz	18	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R223□FTS	C0603X5R223□FT	1V,1KHz	22	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R273□FTS	C0603X5R273□FT	1V,1KHz	27	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R333□FTS	C0603X5R333□FT	1V,1KHz	33	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R393□FTS	C0603X5R393□FT	1V,1KHz	39	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R473□FTS	C0603X5R473□FT	1V,1KHz	47	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R563□FTS	C0603X5R563□FT	1V,1KHz	56	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R683□FTS	C0603X5R683□FT	1V,1KHz	68	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R823□FTS	C0603X5R823□FT	1V,1KHz	82	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R104□FTS	C0603X5R104□FT	1V,1KHz	100	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R224□FTS	C0603X5R224□FT	1V,1KHz	220	nF	±10% ,±20%	0.30	± 0.05	± 0.05	10.0%		(II)*
	C0603X5R334□FTS	C0603X5R334□FT	1V,1KHz	330	nF	±10% ,±20%	0.30	± 0.09	± 0.09	10.0%		(II)*
	C0603X5R474□FTS	C0603X5R474□FT	1V,1KHz	470	nF	±10% ,±20%	0.30	± 0.09	± 0.09	10.0%		(II)*
16V	C0603X5R102□ETS	C0603X5R102□ET	1V,1KHz	1.0	nF	±10% ,±20%	0.30	± 0.03	± 0.03	5.0%	Paper,15Kpcs	(I)
	C0603X5R222KETS	C0603X5R222KET	1V,1KHz	2.2	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X5R332KETS	C0603X5R332KET	1V,1KHz	3.3	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(II)
	C0603X5R472KETS	C0603X5R472KET	1V,1KHz	4.7	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(II)
	C0603X5R103□ETS	C0603X5R103□ET	1V,1KHz	10	nF	±10% ,±20%	0.30	± 0.03	± 0.03	5.0%		(II)
	C0603X5R153□ETS	C0603X5R153□ET	1V,1KHz	15	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R223□ETS	C0603X5R223□ET	1V,1KHz	22	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R273□ETS	C0603X5R273□ET	1V,1KHz	27	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R333□ETS	C0603X5R333□ET	1V,1KHz	33	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R473□ETS	C0603X5R473□ET	1V,1KHz	47	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R683□ETS	C0603X5R683□ET	1V,1KHz	68	nF	±10% ,±20%	0.30	± 0.05	± 0.05	10.0%		(II)
	C0603X5R104□ETS	C0603X5R104□ET	1V,1KHz	100	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R224□ETS	C0603X5R224□ET	1V,1KHz	220	nF	±10% ,±20%	0.30	± 0.05	± 0.05	10.0%		(II)*
	C0603X5R334□ETS	C0603X5R334□ET	1V,1KHz	330	nF	±10% ,±20%	0.30	±0.09	±0.09	10.0%		(II)*
	C0603X5R474□ETS	C0603X5R474□ET	1V,1KHz	470	nF	±10% ,±20%	0.30	±0.09	±0.09	10.0%		(II)*
	C0603X5R105METS	C0603X5R105MET	0.5V ,1KHz	1.0	uF	±20%	0.30	±0.09	±0.09	12.5%		(II)*
10V	C0603X5R222□DTS	C0603X5R222□DT	1V,1KHz	2.2	nF	±10% ,±20%	0.30	± 0.03	± 0.03	7.5%	Paper,15Kpcs	(I)
	C0603X5R332□DTS	C0603X5R332□DT	1V,1KHz	3.3	nF	±10% ,±20%	0.30	± 0.03	± 0.03	7.5%		(I)
	C0603X5R472□DTS	C0603X5R472□DT	1V,1KHz	4.7	nF	±10% ,±20%	0.30	± 0.03	± 0.03	7.5%		(I)
	C0603X5R562□DTS	C0603X5R562□DT	1V,1KHz	5.6	nF	±10% ,±20%	0.30	± 0.03	± 0.03	7.5%		(I)
	C0603X5R682□DTS	C0603X5R682□DT	1V,1KHz	6.8	nF	±10% ,±20%	0.30	± 0.03	± 0.03	7.5%		(I)
	C0603X5R822□DTS	C0603X5R822□DT	1V,1KHz	8.2	nF	±10% ,±20%	0.30	± 0.03	± 0.03	7.5%		(I)
	C0603X5R103□DTS	C0603X5R103□DT	1V,1KHz	10	nF	±10% ,±20%	0.30	± 0.03	± 0.03	7.5%		(I)
	C0603X5R153□DTS	C0603X5R153□DT	1V,1KHz	15	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R223□DTS	C0603X5R223□DT	1V,1KHz	22	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
10V	C0603X5R333☐DTS	C0603X5R333☐DT	1V,1KHz	33	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%	Paper,15Kpcs	(II)
	C0603X5R473☐DTS	C0603X5R473☐DT	1V,1KHz	47	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R563☐DTS	C0603X5R563☐DT	1V,1KHz	56	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R683☐DTS	C0603X5R683☐DT	1V,1KHz	68	nF	±10% ,±20%	0.30	± 0.05	± 0.05	10.0%		(II)
	C0603X5R823☐DTS	C0603X5R823☐DT	1V,1KHz	82	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R104☐DTS	C0603X5R104☐DT	0.5V ,1KHz	100	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R224☐DTS	C0603X5R224☐DT	1V,1KHz	220	nF	±10% ,±20%	0.30	± 0.05	± 0.05	10.0%		(II)*
	C0603X5R334☐DTS	C0603X5R334☐DT	1V,1KHz	330	nF	±10% ,±20%	0.30	±0.09	±0.09	12.5%		(II)*
	C0603X5R474☐DTS	C0603X5R474☐DT	1V,1KHz	470	nF	±10% ,±20%	0.30	±0.09	±0.09	12.5%		(II)*
	C0603X5R105☐DTS	C0603X5R105☐DT	0.5V ,1KHz	1.0	uF	±10% ,±20%	0.30	±0.09	±0.09	12.5%		(II)*
	C0603X5R225MDTS	C0603X5R225MDT	1V,1KHz	2.2	uF	±20%	0.30	±0.09	±0.09	15.0%		(II)*
6.3V	C0603X5R222☐CTS	C0603X5R222☐CT	1V,1KHz	2.2	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%	Paper,15Kpcs	(I)
	C0603X5R332☐CTS	C0603X5R332☐CT	1V,1KHz	3.3	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(I)
	C0603X5R472☐CTS	C0603X5R472☐CT	1V,1KHz	4.7	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(I)
	C0603X5R562☐CTS	C0603X5R562☐CT	1V,1KHz	5.6	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(I)
	C0603X5R682☐CTS	C0603X5R682☐CT	1V,1KHz	6.8	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(I)
	C0603X5R822☐CTS	C0603X5R822☐CT	1V,1KHz	8.2	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(I)
	C0603X5R103☐CTS	C0603X5R103☐CT	1V,1KHz	10	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(I)
	C0603X5R153☐CTS	C0603X5R153☐CT	1V,1KHz	15	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R223☐CTS	C0603X5R223☐CT	1V,1KHz	22	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R333☐CTS	C0603X5R333☐CT	1V,1KHz	33	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R473☐CTS	C0603X5R473☐CT	1V,1KHz	47	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R563☐CTS	C0603X5R563☐CT	1V,1KHz	56	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R683☐CTS	C0603X5R683☐CT	1V,1KHz	68	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R823☐CTS	C0603X5R823☐CT	1V,1KHz	82	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R104☐CTS	C0603X5R104☐CT	0.5V ,1KHz	100	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%		(II)
	C0603X5R224☐CTS	C0603X5R224☐CT	1V,1KHz	220	nF	±10% ,±20%	0.30	± 0.05	± 0.05	10.0%		(II)*
	C0603X5R334☐CTS	C0603X5R334☐CT	1V,1KHz	330	nF	±10% ,±20%	0.30	±0.09	±0.09	10.0%		(II)*
	C0603X5R474☐CTS	C0603X5R474☐CT	1V,1KHz	470	nF	±10% ,±20%	0.30	±0.09	±0.09	12.5%		(II)*
	C0603X5R105☐CTS	C0603X5R105☐CT	1V,1KHz	1.0	uF	±10% ,±20%	0.30	±0.05	±0.05	12.5%		(II)*
	C0603X5R225MCTS	C0603X5R225MCT	0.5V ,1KHz	2.2	uF	±20%	0.30	±0.09	±0.09	20.0%		(II)*
	C0603X5R475MCTSB		0.5V ,1KHz	4.7	uF	±20%	0.50	±0.09	±0.05	20.0%	Paper,10Kpcs	(II)*
4V	C0603X5R473☐BTS	C0603X5R473☐BT	1V,1KHz	47	nF	±10% ,±20%	0.30	± 0.03	± 0.03	10.0%	Paper,15Kpcs	(II)
	C0603X5R474☐BTS	C0603X5R474☐BT	1V,1KHz	470	nF	±10% ,±20%	0.30	±0.09	±0.09	12.5%		(II)*
	C0603X5R105☐BTS	C0603X5R105☐BT	0.5V ,1KHz	1.0	uF	±10% ,±20%	0.30	±0.05	±0.05	10.0%		(II)*
	C0603X5R225MBTS	C0603X5R225MBT	0.5V ,1KHz	2.2	uF	±20%	0.30	±0.09	±0.09	20.0%		(II)*
2.5V	C0603X5R475MTTSB		0.5V ,1KHz	4.7	uF	±20%	0.50	±0.09	±0.05	20.0%	Paper,10Kpcs	(II)*

☐ Tolerance Code: M=±20%; Special tolerance on the request.
(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C1005X5R Series (EIA0402)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C1005X5R102KGTS	C1005X5R102KGT	1V,1KHz	1.0	nF	±10%	0.50	±0.05	±0.05	5.0%	Paper,10Kpcs	(I)
	C1005X5R682KGTS	C1005X5R682KGT	1V,1KHz	6.8	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R103KGTS	C1005X5R103KGT	1V,1KHz	10	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R183KGTS	C1005X5R183KGT	1V,1KHz	18	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R223KGTS	C1005X5R223KGT	1V,1KHz	22	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R333KGTS	C1005X5R333KGT	1V,1KHz	33	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R473KGTS	C1005X5R473KGT	1V,1KHz	47	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R104☐GTS	C1005X5R104☐GT	1V,1KHz	100	nF	±5%,±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R224KGTS	C1005X5R224KGT	1V,1KHz	220	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X5R474☐GTS	C1005X5R474☐GT	1V,1KHz	470	nF	±10%,±20%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X5R105☐GTS	C1005X5R105☐GT	1V,1KHz	1.0	uF	±10%,±20%	0.50	±0.20	±0.20	10.0%		(II)*
35V	C1005X5R105☐NTS	C1005X5R105☐NT	1V,1KHz	1.0	uF	±10%,±20%	0.50	±0.10	±0.10	10.0%	Paper,10Kpcs	(II)*
	C1005X5R225☐NTS	C1005X5R225☐NT	1V,1KHz	2.2	uF	±10%,±20%	0.50	±0.20	±0.20	10.0%		(II)*
25V	C1005X5R103KFTS	C1005X5R103KFT	1V,1KHz	10	nF	±10%	0.50	±0.05	±0.05	5.0%	Paper,10Kpcs	(I)
	C1005X5R223☐FTS	C1005X5R223☐FT	1V,1KHz	22	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R333KFTS	C1005X5R333KFT	1V,1KHz	33	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R473KFTS	C1005X5R473KFT	1V,1KHz	47	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R683KFTS	C1005X5R683KFT	1V,1KHz	68	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R104☐FTS	C1005X5R104☐FT	1V,1KHz	100	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R224☐FTS	C1005X5R224☐FT	1V,1KHz	220	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R334☐FTS	C1005X5R334☐FT	1V,1KHz	330	nF	±10%,±20%	0.50	±0.05	±0.05	12.5%		(II)
	C1005X5R394☐FTS	C1005X5R394☐FT	1V,1KHz	390	nF	±10%,±20%	0.50	±0.05	±0.05	12.5%		(II)
	C1005X5R474☐FTS	C1005X5R474☐FT	1V,1KHz	470	nF	±10%,±20%	0.50	±0.20	±0.20	12.5%		(II)

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
25V	C1005X5R564□FTS	C1005X5R564□FT	1V,1KHz	560	nF	±10%,±20%	0.50	±0.10	±0.10	12.5%	Paper,10Kpcs	(II)*
	C1005X5R684□FTS	C1005X5R684□FT	1V,1KHz	680	nF	±10%,±20%	0.50	±0.10	±0.10	12.5%		(II)*
	C1005X5R105□FTS	C1005X5R105□FT	1V,1KHz	1.0	uF	±10%,±20%	0.50	±0.10	±0.10	12.5%		(II)*
	C1005X5R225□FTS	C1005X5R225□FT	1V,1KHz	2.2	uF	±10%,±20%	0.50	±0.20	±0.20	10.0%		(II)*
16V	C1005X5R102KETS	C1005X5R102KET	1V,1KHz	1.0	nF	±10%	0.50	±0.05	±0.05	5.0%	Paper,10Kpcs	(I)
	C1005X5R153□ETS	C1005X5R153□ET	1V,1KHz	15	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R223□ETS	C1005X5R223□ET	1V,1KHz	22	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R273□ETS	C1005X5R273□ET	1V,1KHz	27	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R333□ETS	C1005X5R333□ET	1V,1KHz	33	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R393KETS	C1005X5R393KET	1V,1KHz	39	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R473□ETS	C1005X5R473□ET	1V,1KHz	47	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R563□ETS	C1005X5R563□ET	1V,1KHz	56	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R683□ETS	C1005X5R683□ET	1V,1KHz	68	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R823□ETS	C1005X5R823□ET	1V,1KHz	82	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R104□ETS	C1005X5R104□ET	1V,1KHz	100	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X5R124□ETS	C1005X5R124□ET	1V,1KHz	120	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(II)
	C1005X5R154□ETS	C1005X5R154□ET	1V,1KHz	150	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(II)
	C1005X5R184□ETS	C1005X5R184□ET	1V,1KHz	180	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(II)
	C1005X5R224□ETS	C1005X5R224□ET	1V,1KHz	220	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R334□ETS	C1005X5R334□ET	1V,1KHz	330	nF	±10%,±20%	0.50	±0.05	±0.05	12.5%		(II)
	C1005X5R474□ETS	C1005X5R474□ET	1V,1KHz	470	nF	±10%,±20%	0.50	±0.10	±0.10	12.5%		(II)
	C1005X5R564□ETS	C1005X5R564□ET	1V,1KHz	560	nF	±10%,±20%	0.50	±0.05	±0.05	12.5%		(II)
	C1005X5R684□ETS	C1005X5R684□ET	1V,1KHz	680	nF	±10%,±20%	0.50	±0.05	±0.05	12.5%		(II)
	C1005X5R105□ETS	C1005X5R105□ET	1V,1KHz	1.0	uF	±10%,±20%	0.50	±0.05	±0.05	12.5%		(II)
	C1005X5R225□ETS	C1005X5R225□ET	1V,1KHz	2.2	uF	±10%,±20%	0.50	±0.20	±0.20	12.5%		(II)*
	C1005X5R475METS	C1005X5R475MET	1V,1KHz	4.7	uF	±20%	0.50	±0.20	±0.20	12.5%		(II)*
10V	C1005X5R102□DTS	C1005X5R102□DT	1V,1KHz	1.0	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%	Paper,10Kpcs	(I)
	C1005X5R103KDTS	C1005X5R103KDT	1V,1KHz	10	nF	±10%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R153□DTS	C1005X5R153□DT	1V,1KHz	15	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R223□DTS	C1005X5R223□DT	1V,1KHz	22	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R333□DTS	C1005X5R333□DT	1V,1KHz	33	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R473□DTS	C1005X5R473□DT	1V,1KHz	47	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R563□DTS	C1005X5R563□DT	1V,1KHz	56	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R683□DTS	C1005X5R683□DT	1V,1KHz	68	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R823□DTS	C1005X5R823□DT	1V,1KHz	82	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R104□DTS	C1005X5R104□DT	1V,1KHz	100	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R124□DTS	C1005X5R124□DT	1V,1KHz	120	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(II)
	C1005X5R154□DTS	C1005X5R154□DT	1V,1KHz	150	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R184□DTS	C1005X5R184□DT	1V,1KHz	180	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R224□DTS	C1005X5R224□DT	1V,1KHz	220	nF	±10%,±20%	0.50	±0.05	±0.05	7.5%		(II)
	C1005X5R334□DTS	C1005X5R334□DT	1V,1KHz	330	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R394□DTS	C1005X5R394□DT	1V,1KHz	390	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R474□DTS	C1005X5R474□DT	1V,1KHz	470	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R684□DTS	C1005X5R684□DT	1V,1KHz	680	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R105□DTS	C1005X5R105□DT	1V,1KHz	1.0	uF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R225□DTS	C1005X5R225□DT	1V,1KHz	2.2	uF	±10%,±20%	0.50	±0.20	±0.20	10.0%		(II)*
	C1005X5R475□DTS	C1005X5R475□DT	1V,1KHz	4.7	uF	±10%,±20%	0.50	±0.15	±0.15	12.5%		(II)*
	C1005X5R106MDTS	C1005X5R106MDT	0.5V,1KHz	10	uF	±20%	0.50	±0.20	±0.20	12.5%		(II)*
	C1005X5R226MDTS	C1005X5R226MDT	0.5V,120Hz	22	uF	±20%	0.50	±0.30	±0.30	20.0%		(II)*
6.3V	C1005X5R223KCTS	C1005X5R223KCT	1V,1KHz	22	nF	±10%	0.50	±0.05	±0.05	7.5%	Paper,10Kpcs	(I)
	C1005X5R473KCTS	C1005X5R473KCT	1V,1KHz	47	nF	±10%	0.50	±0.05	±0.05	7.5%		(I)
	C1005X5R104□CTS	C1005X5R104□CT	1V,1KHz	100	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(I)
	C1005X5R224□CTS	C1005X5R224□CT	1V,1KHz	220	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R334□CTS	C1005X5R334□CT	1V,1KHz	330	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R474□CTS	C1005X5R474□CT	1V,1KHz	470	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R684□CTS	C1005X5R684□CT	1V,1KHz	680	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X5R105MCTSA		1V,1KHz	1.0	uF	±20%	0.30	±0.05	±0.03	12.5%	Paper,15Kpcs	(II)*
	C1005X5R105□CTS	C1005X5R105□CT	0.5V,1KHz	1.0	uF	±10%,±20%	0.50	±0.05	±0.05	10.0%	Paper,10Kpcs	(II)
	C1005X5R225MCTSA		0.5V,1KHz	2.2	uF	±20%	0.30	±0.05	±0.03	10.0%	Paper,15Kpcs	(II)*
	C1005X5R225□CTS	C1005X5R225□CT	1V,1KHz	2.2	uF	±10%,±20%	0.50	±0.20	±0.20	10.0%	Paper,10Kpcs	(II)*
	C1005X5R475MCTSA		0.5V,1KHz	4.7	uF	±20%	0.30	±0.20	±0.03	10.0%	Paper,15Kpcs	(II)*
	C1005X5R475□CTS	C1005X5R475□CT	0.5V,1KHz	4.7	uF	±10%,±20%	0.50	±0.15	±0.15	10.0%		(II)*
	C1005X5R106MCTS	C1005X5R106MCT	0.5V,1KHz	10	uF	±20%	0.50	±0.20	±0.20	15.0%	Paper,10Kpcs	(II)
	C1005X5R226MCTS	C1005X5R226MCT	0.5V,120Hz	22	uF	±20%	0.50	±0.20	±0.20	15.0%		(II)*
4V	C1005X5R105□BTS	C1005X5R105□BT	1V,1KHz	1.0	uF	±10%,±20%	0.50	±0.05	±0.05	15.0%	Paper,10Kpcs	(II)
	C1005X5R225□BTS	C1005X5R225□BT	1V,1KHz	2.2	uF	±10%,±20%	0.50	±0.20	±0.20	10.0%		(II)

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
4V	C1005X5R225MBTSA		0.5V,1KHz	2.2	uF	±20%	0.30	±0.05	±0.03	10.0%	Paper,15Kpcs	(II)
	C1005X5R475□BTS	C1005X5R475□BT	0.5V,1KHz	4.7	uF	±10%,±20%	0.50	±0.15	±0.15	10.0%	Paper,10Kpcs	(II)
	C1005X5R106MBTS	C1005X5R106MBT	0.5V,1KHz	10	uF	±20%	0.50	±0.20	±0.20	15.0%		(II)
	C1005X5R226MBTS	C1005X5R226MBT	0.5V,120Hz	22	uF	±20%	0.50	±0.20	±0.20	15.0%		(II)*

□ Tolerance Code: K=±10%,M=±20% ;Special tolerance on the request.
(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C1608X5R Series (EIA0603)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C1608X5R102KGTS	C1608X5R102KGT	1V,1kHz	1.0	nF	±10%	0.80	±0.10	±0.10	5.0%	Paper,4Kpcs	(I)
	C1608X5R103KGTS	C1608X5R103KGT	1V,1kHz	10	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X5R333KGTS	C1608X5R333KGT	1V,1kHz	33	nF	±10%	0.80	±0.15	±0.15	5.0%		(I)
	C1608X5R104KGTS	C1608X5R104KGT	1V,1kHz	100	nF	±10%	0.80	±0.15	±0.15	5.0%		(II)
	C1608X5R224□GTS	C1608X5R224□GT	1V,1kHz	220	nF	±10%,±20%	0.80	±0.15	±0.15	5.0%		(II)
	C1608X5R474□GTS	C1608X5R474□GT	1V,1kHz	470	nF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X5R105□GTS	C1608X5R105□GT	1V,1kHz	1.0	uF	±10%,±20%	0.80	±0.20	±0.20	10.0%		(II)
	C1608X5R225□GTS	C1608X5R225□GT	1V,1kHz	2.2	uF	±10%,±20%	0.80	±0.20	±0.20	10.0%		(II)
35V	C1608X5R105□NTS	C1608X5R105□NT	1V,1kHz	1.0	uF	±10%,±20%	0.80	±0.10	±0.10	10.0%	Paper,4Kpcs	(II)
	C1608X5R225□NTS	C1608X5R225□NT	1V,1kHz	2.2	uF	±10%,±20%	0.80	±0.10	±0.10	10.0%		(II)*
	C1608X5R475□NTS	C1608X5R475□NT	1V,1kHz	4.7	uF	±10%,±20%	0.80	±0.20	±0.20	10.0%		(II)*
	C1608X5R106MNTS	C1608X5R106MNT	1V,1kHz	10	uF	±20%	0.80	±0.20	±0.20	10.0%		(II)*
25V	C1608X5R104□FTS	C1608X5R104□FT	1V,1kHz	100	nF	±10%,±20%	0.80	±0.10	±0.10	5.0%	Paper,4Kpcs	(I)
	C1608X5R224□FTS	C1608X5R224□FT	1V,1kHz	220	nF	±10%,±20%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X5R334KFTS	C1608X5R334KFT	1V,1kHz	330	nF	±10%	0.80	±0.15	±0.15	7.5%		(I)
	C1608X5R474□FTS	C1608X5R474□FT	1V,1kHz	470	nF	±10%,±20%	0.80	±0.10	±0.10	5.0%		(II)
	C1608X5R684KFTS	C1608X5R684KFT	1V,1kHz	680	nF	±10%	0.80	±0.15	±0.15	7.5%		(II)
	C1608X5R105□FTS	C1608X5R105□FT	1V,1kHz	1.0	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X5R105□FTSB		1V,1kHz	1.0	uF	±10%,±20%	0.50	±0.10	+0/-0.10	12.5%		(II)*
	C1608X5R225□FTS	C1608X5R225□FT	1V,1kHz	2.2	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X5R335□FTS	C1608X5R335□FT	1V,1kHz	3.3	uF	±10%,±20%	0.80	±0.20	±0.20	10.0%		(II)
	C1608X5R475□FTS	C1608X5R475□FT	1V,1kHz	4.7	uF	±10%,±20%	0.80	±0.20	±0.20	10.0%		(II)
	C1608X5R106MFTS	C1608X5R106MFT	1V,1kHz	10	uF	±20%	0.80	±0.20	±0.20	10.0%		(II)
16V	C1608X5R104□ETS	C1608X5R104□ET	1V,1kHz	100	nF	±10%,±20%	0.80	±0.10	±0.10	5.0%	Paper,4Kpcs	(I)
	C1608X5R224□ETS	C1608X5R224□ET	1V,1kHz	220	nF	±10%,±20%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X5R334□ETS	C1608X5R334□ET	1V,1kHz	330	nF	±10%,±20%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X5R474□ETS	C1608X5R474□ET	1V,1kHz	470	nF	±10%,±20%	0.80	±0.10	±0.10	3.5%		(II)
	C1608X5R684□ETS	C1608X5R684□ET	1V,1kHz	680	nF	±10%,±20%	0.80	±0.10	±0.10	7.5%		(II)
	C1608X5R105□ETS	C1608X5R105□ET	1V,1kHz	1.0	uF	±10%,±20%	0.80	±0.10	±0.10	10.0%		(II)
	C1608X5R105□ETSB		0.5V,1kHz	1.0	uF	±10%,±20%	0.50	±0.10	+0/-0.10	10.0%		(II)
	C1608X5R225□ETS	C1608X5R225□ET	1V,1kHz	2.2	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X5R335□ETS	C1608X5R335□ET	1V,1kHz	3.3	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)*
	C1608X5R475□ETS	C1608X5R475□ET	1V,1kHz	4.7	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)*
	C1608X5R106□ETS	C1608X5R106□ET	1V,1kHz	10	uF	±10% ,±20%	0.80	±0.20	±0.20	10.0%		(II)*
10V	C1608X5R104□DTS	C1608X5R104□DT	1V,1kHz	100	nF	±10%,±20%	0.80	±0.10	±0.10	7.5%	Paper,4kpcs	(I)
	C1608X5R224□DTS	C1608X5R224□DT	1V,1kHz	220	nF	±10%,±20%	0.80	±0.10	±0.10	7.5%		(I)
	C1608X5R334□DTS	C1608X5R334□DT	1V,1kHz	330	nF	±10%,±20%	0.80	±0.10	±0.10	7.5%		(I)
	C1608X5R474□DTS	C1608X5R474□DT	1V,1kHz	470	nF	±10%,±20%	0.80	±0.10	±0.10	7.5%		(I)
	C1608X5R684□DTS	C1608X5R684□DT	1V,1kHz	680	nF	±10%,±20%	0.80	±0.10	±0.10	7.5%		(I)
	C1608X5R105□DTS	C1608X5R105□DT	1V,1kHz	1.0	uF	±10%,±20%	0.80	±0.10	±0.10	7.5%		(II)
	C1608X5R105□DTSB		1V,1kHz	1.0	uF	±10%,±20%	0.50	±0.10	+0/-0.10	10.0%		(II)
	C1608X5R225□DTS	C1608X5R225□DT	1V,1kHz	2.2	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X5R225□DTSB		0.5V,1kHz	2.2	uF	±10%,±20%	0.50	±0.10	+0/-0.10	10.0%		(II)*
	C1608X5R335□DTS	C1608X5R335□DT	1V,1kHz	3.3	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X5R475□DTS	C1608X5R475□DT	1V,1kHz	4.7	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X5R475□DTSB		1V,1kHz	4.7	uF	±10%,±20%	0.50	±0.20	±0.05	10.0%		(II)
	C1608X5R106□DTS	C1608X5R106□DT	1V,1kHz	10	uF	±10%,±20%	0.80	±0.20	±0.20	10.0%		(II)*
	C1608X5R226MDTS	C1608X5R226MDT	0.5V,120Hz	22	uF	±20%	0.80	±0.25	±0.25	15.0%		(II)*
	C1608X5R226MDWS	C1608X5R226MDW	0.5V,120Hz	22	uF	±20%	0.80	±0.20	±0.20	10.0%	Embossed,4Kpcs	(II)*
6.3V	C1608X5R104□CTS	C1608X5R104□CT	1V,1kHz	100	nF	±10%,±20%	0.80	±0.10	±0.10	7.5%	Paper,4Kpcs	(I)
	C1608X5R105□CTS	C1608X5R105□CT	1V,1kHz	1.0	uF	±10%,±20%	0.80	±0.10	±0.10	7.5%		(II)
	C1608X5R225□CTS	C1608X5R225□CT	1V,1kHz	2.2	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X5R475□CTS	C1608X5R475□CT	1V,1kHz	4.7	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X5R106MCTSB		0.5V,1kHz	10	uF	±20%	0.50	±0.10	±0.10	10.0%		(II)*
	C1608X5R106□CTS	C1608X5R106□CT	1V,1kHz	10	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)*
	C1608X5R226MCTS	C1608X5R226MCT	0.5V,120Hz	22	uF	±20%	0.80	±0.20	±0.20	15.0%		(II)*

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
6.3V	C1608X5R476MCTS	C1608X5R476MCT	0.5V,120Hz	47	uF	±20%	0.80	±0.20	±0.20	12.5%	Paper,4Kpcs	(II)*
4V	C1608X5R106MBTS	C1608X5R106MBT	1V,1kHz	10	uF	±20%	0.80	±0.10	±0.10	10.0%	Paper,4Kpcs	(II)
	C1608X5R226MBTS	C1608X5R226MBT	0.5V,120Hz	22	uF	±20%	0.80	±0.20	±0.20	10.0%		(II)*
	C1608X5R476MBTS	C1608X5R476MBT	0.5V,120Hz	47	uF	±20%	0.80	±0.20	±0.20	12.5%		(II)*

☐ Tolerance Code: K=±10%,M=±20% ;Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C2012X5R Series (EIA0805)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C2012X5R224KGTS	C2012X5R224KGT	1V,1KHz	220	nF	±10%	0.85	±0.15	±0.15	10.0%	Paper,4Kpcs	(II)
	C2012X5R105☐GTS	C2012X5R105☐GT	1V,1KHz	1.0	uF	±10% ,±20%	0.85	±0.15	±0.15	10.0%		(II)
	C2012X5R225☐GTS	C2012X5R225☐GT	1V,1KHz	2.2	uF	±10% ,±20%	0.85	±0.20	±0.15	10.0%		(II)
	C2012X5R105☐GPS	C2012X5R105☐GP	1V,1KHz	1.0	uF	±10% ,±20%	1.25	±0.15	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R225☐GPS	C2012X5R225☐GP	1V,1KHz	2.2	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X5R475☐GPS	C2012X5R475☐GP	1V,1KHz	4.7	uF	±10% ,±20%	1.25	±0.20	±0.20	10.0%		(II)*
	C2012X5R106☐GPS	C2012X5R106☐GP	1V,1KHz	10	uF	±10% ,±20%	1.25	±0.20	±0.20	10.0%		(II)*
35V	C2012X5R106KNPS	C2012X5R106KNP	1V,1KHz	10	uF	±10%	1.25	±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)*
	C2012X5R226MNWS	C2012X5R226MNW	0.5V ,120Hz	22	uF	±20%	1.25	±0.20	±0.20	15.0%	Embossed,2Kpcs	(II)*
25V	C2012X5R474☐FPS	C2012X5R474☐FP	1V,1KHz	470	nF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	5.0%	Embossed,3Kpcs	(I)
	C2012X5R105☐FTS	C2012X5R105☐FT	1V,1KHz	1.0	uF	±10% ,±20%	0.85	±0.15	±0.10	10.0%	Paper,4Kpcs	(II)
	C2012X5R105☐FPS	C2012X5R105☐FP	1V,1KHz	1.0	uF	±10% ,±20%	1.25	±0.20	±0.20	10.0%	Embossed,3Kpcs	(I)
	C2012X5R225☐FTS	C2012X5R225☐FT	1V,1KHz	2.2	uF	±10% ,±20%	0.85	±0.20	±0.10	10.0%	Paper,4Kpcs	(II)
	C2012X5R225☐FPS	C2012X5R225☐FP	1V,1KHz	2.2	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R475☐FTS	C2012X5R475☐FT	1V,1KHz	4.7	uF	±10% ,±20%	0.85	±0.20	±0.10	10.0%	Paper,4Kpcs	(II)*
	C2012X5R475☐FPS	C2012X5R475☐FP	1V,1KHz	4.7	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R106☐FTS	C2012X5R106☐FT	1V,1KHz	10	uF	±10% ,±20%	0.85	±0.20	±0.10	12.5%	Paper,4Kpcs	(II)*
	C2012X5R106☐FPS	C2012X5R106☐FP	1V,1KHz	10	uF	±10% ,±20%	1.25	±0.20	±0.20	12.5%	Embossed,3Kpcs	(II)*
	C2012X5R226MFPS	C2012X5R226MFP	0.5V ,120Hz	22	uF	±20%	1.25	±0.20	±0.20	15.0%		(II)*
	C2012X5R226MFWS	C2012X5R226MFW	0.5V ,120Hz	22	uF	±20%	1.25	±0.20	±0.20	15.0%	Embossed,2Kpcs	(II)*
16V	C2012X5R105☐ETS	C2012X5R105☐ET	1V,1KHz	1.0	uF	±10% ,±20%	0.85	±0.15	±0.15	10.0%	Paper,4Kpcs	(II)
	C2012X5R105☐EPS	C2012X5R105☐EP	1V,1KHz	1.0	uF	±10% ,±20%	1.25	±0.15	±0.20	10.0%	Embossed,3Kpcs	(I)
	C2012X5R225☐EPS	C2012X5R225☐EP	1V,1KHz	2.2	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R335☐EPS	C2012X5R335☐EP	1V,1KHz	3.3	uF	±10% ,±20%	1.25	±0.20	±0.20	10.0%		(II)
	C2012X5R475☐ETS	C2012X5R475☐ET	0.5V ,1KHz	4.7	uF	±10% ,±20%	0.85	±0.20	±0.10	10.0%	Paper,4Kpcs	(II)
	C2012X5R475☐EPS	C2012X5R475☐EP	1V,1KHz	4.7	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R106☐ETS	C2012X5R106☐ET	1V,1KHz	10	uF	±10% ,±20%	0.85	±0.15	±0.10	10.0%	Paper,4Kpcs	(II)*
	C2012X5R106☐EPS	C2012X5R106☐EP	1V,1KHz	10	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)*
	C2012X5R226METS	C2012X5R226MET	0.5V ,120Hz	22	uF	±20%	0.85	±0.20	±0.10	10.0%	Paper,4Kpcs	(II)*
	C2012X5R226☐EPS	C2012X5R226☐EP	0.5V ,120Hz	22	uF	±10% ,±20%	1.25	±0.20	±0.20	15.0%	Embossed,3Kpcs	(II)*
10V	C2012X5R225☐DTS	C2012X5R225☐DT	1V,1KHz	2.2	uF	±10% ,±20%	0.85	±0.15	±0.10	10.0%	Paper,4Kpcs	(II)
	C2012X5R225☐DPS	C2012X5R225☐DP	1V,1KHz	2.2	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R335☐DPS	C2012X5R335☐DP	1V,1KHz	3.3	uF	±10% ,±20%	1.25	±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R475☐DPS	C2012X5R475☐DP	1V,1KHz	4.7	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X5R106☐DTS	C2012X5R106☐DT	0.5V ,1KHz	10	uF	±10% ,±20%	0.85	±0.20	±0.10	10.0%	Paper,4Kpcs	(II)
	C2012X5R106☐DPS	C2012X5R106☐DP	1V,1KHz	10	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R226MDTS	C2012X5R226MDT	0.5V ,120Hz	22	uF	±20%	0.85	±0.20	±0.10	10.0%	Paper,4Kpcs	(II)*
	C2012X5R226MDPS	C2012X5R226MDP	0.5V ,120Hz	22	uF	±20%	1.25	±0.20	±0.20	15.0%	Embossed,3Kpcs	(II)*
	C2012X5R476MDPS	C2012X5R476MDP	0.5V ,120Hz	47	uF	±20%	1.25	±0.20	±0.20	10.0%		(II)*
6.3V	C2012X5R225KCTS	C2012X5R225KCT	1V,1KHz	2.2	uF	±10%	0.85	±0.15	±0.10	10.0%	Paper,4Kpcs	(II)
	C2012X5R225☐CPS	C2012X5R225☐CP	1V,1KHz	2.2	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R335☐CPS	C2012X5R335☐CP	1V,1KHz	3.3	uF	±10% ,±20%	1.25	±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R475☐CPS	C2012X5R475☐CP	1V,1KHz	4.7	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(I)
	C2012X5R106☐CTS	C2012X5R106☐CT	0.5V ,1KHz	10	uF	±10% ,±20%	0.85	±0.20	±0.15	10.0%	Paper,4Kpcs	(II)
	C2012X5R106☐CPS	C2012X5R106☐CP	1V,1KHz	10	uF	±10% ,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X5R226MCTS	C2012X5R226MCT	0.5V ,120Hz	22	uF	±20%	0.85	±0.15	±0.15	10.0%	Paper,4Kpcs	(II)
	C2012X5R226☐CPS	C2012X5R226☐CP	0.5V ,120Hz	22	uF	±10% ,±20%	1.25	±0.15	±0.15	10.0%	Embossed,3Kpcs	(II)
	C2012X5R476MCTS	C2012X5R476MCT	0.5V ,120Hz	47	uF	±20%	0.85	±0.20	±0.15	10.0%	Paper,4Kpcs	(II)*
	C2012X5R476MCPS	C2012X5R476MCP	0.5V ,120Hz	47	uF	±20%	1.25	±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)*
4V	C2012X5R226MBPS	C2012X5R226MBP	0.5V ,120Hz	22	uF	±20%	1.25	±0.15	±0.15	10.0%	Embossed,3Kpcs	(II)
	C2012X5R476MBPS	C2012X5R476MBP	0.5V ,120Hz	47	uF	±20%	1.25	±0.20	±0.20	10.0%		(II)*

☐ Tolerance Code: K=±10%,M=±20% ;

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

● C3216X5R Series (EIA1206)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C3216X5R105KGPS	C3216X5R105KGP	1V ,1KHz	1.0	uF	±10%	1.60	±0.30	±0.30	3.5%	Embossed,2Kpcs	(I)
	C3216X5R225☐GTS	C3216X5R225☐GT	1V ,1KHz	2.2	uF	±10% ,±20%	0.85	±0.15	±0.10	10.0%	Paper,4Kpcs	(II)
	C3216X5R225KGPS	C3216X5R225KGP	1V ,1KHz	2.2	uF	±10%	1.60	±0.20	±0.20	10.0%	Embossed,2Kpcs	(II)
	C3216X5R475☐GTS	C3216X5R475☐GT	1V ,1KHz	4.7	uF	±10% ,±20%	0.85	±0.15	±0.10	10.0%	Paper,4Kpcs	(II)
	C3216X5R475☐GPS	C3216X5R475☐GP	1V ,1KHz	4.7	uF	±10% ,±20%	1.60	±0.20	±0.30	10.0%	Embossed,2Kpcs	(II)
	C3216X5R106☐GPS	C3216X5R106☐GP	1V ,1KHz	10	uF	±10% ,±20%	1.60	±0.20	±0.20	10.0%		(II)
35V	C3216X5R106☐NTS	C3216X5R106☐NT	1V ,1KHz	10	uF	±10% ,±20%	0.85	±0.15	±0.10	10.0%	Paper,4Kpcs	(II)*
	C3216X5R106☐NPS	C3216X5R106☐NP	1V ,1KHz	10	uF	±10% ,±20%	1.60	±0.20	±0.30	10.0%	Embossed,2Kpcs	(II)
25V	C3216X5R105KFTSE		1V ,1KHz	1.0	uF	±10%	0.85	±0.15	±0.10	3.5%	Paper,4Kpcs	(I)
	C3216X5R105KFPSL	C3216X5R105KFP	1V ,1KHz	1.0	uF	±10%	1.60	±0.30	±0.30	3.5%	Embossed,2Kpcs	(I)
	C3216X5R225☐FPS	C3216X5R225☐FP	1V ,1KHz	2.2	uF	±10% ,±20%	1.60	±0.20	±0.30	5.0%	Embossed,2Kpcs	(I)
	C3216X5R475☐FPS	C3216X5R475☐FP	1V ,1KHz	4.7	uF	±10% ,±20%	1.60	±0.20	±0.30	5.0%		(II)
	C3216X5R106☐FPS	C3216X5R106☐FP	1V ,1KHz	10	uF	±10% ,±20%	1.60	±0.20	±0.30	10.0%		(II)
	C3216X5R226MFTSE	C3216X5R226MFT	0.5V ,120Hz	22	uF	±20%	0.85	±0.20	±0.20	10.0%	Paper,4Kpcs	(II)*
	C3216X5R226☐FPSL	C3216X5R226☐FP	0.5V ,120Hz	22	uF	±10% ,±20%	1.60	±0.30	±0.30	10.0%	Embossed,2Kpcs	(II)*
16V	C3216X5R225☐EPS	C3216X5R225☐EP	1V ,1KHz	2.2	uF	±10% ,±20%	1.60	±0.20	±0.30	5.0%	Embossed,2Kpcs	(I)
	C3216X5R475☐EPS	C3216X5R475☐EP	1V ,1KHz	4.7	uF	±10% ,±20%	1.60	±0.20	±0.30	5.0%		(II)
	C3216X5R106☐EPS	C3216X5R106☐EP	1V ,1KHz	10	uF	±10% ,±20%	1.60	±0.20	±0.30	10.0%		(II)
	C3216X5R226☐EPS	C3216X5R226☐EP	0.5V ,120Hz	22	uF	±10% ,±20%	1.60	±0.20	±0.30	10.0%		(II)
	C3216X5R476MEPS	C3216X5R476MEP	0.5V ,120Hz	47	uF	±20%	1.60	±0.30	±0.30	10.0%	Embossed,2Kpcs	(II)
10V	C3216X5R225☐DPS	C3216X5R225☐DP	1V ,1KHz	2.2	uF	±10% ,±20%	1.60	±0.20	±0.30	7.5%	Embossed,2Kpcs	(I)
	C3216X5R475☐DPS	C3216X5R475☐DP	1V ,1KHz	4.7	uF	±10% ,±20%	1.60	±0.20	±0.30	7.5%		(II)
	C3216X5R106☐DPS	C3216X5R106☐DP	1V ,1KHz	10	uF	±10% ,±20%	1.60	±0.30	±0.30	10.0%		(II)
	C3216X5R226☐DPS	C3216X5R226☐DP	0.5V ,120Hz	22	uF	±10% ,±20%	1.60	±0.30	±0.30	10.0%	Embossed,2Kpcs	(II)
	C3216X5R476☐DPS	C3216X5R476☐DP	0.5V ,120Hz	47	uF	±10% ,±20%	1.60	±0.30/±0.20	±0.20	10.0%		(II)
6.3V	C3216X5R106KCPS	C3216X5R106KCP	1V ,1KHz	10	uF	±10%	1.60	±0.20	±0.30	15.0%	Embossed,2Kpcs	(II)
	C3216X5R226☐CPS	C3216X5R226☐CP	0.5V ,120Hz	22	uF	±10% ,±20%	1.60	±0.20	±0.30	15.0%		(II)
	C3216X5R476MCPS	C3216X5R476MCP	0.5V ,120Hz	47	uF	±20%	1.60	±0.20	±0.20	10.0%		(II)
	C3216X5R107MCPS	C3216X5R107MCP	0.5V ,120Hz	100	uF	±20%	1.60	±0.30	±0.30	15.0%		(II)
4V	C3216X5R226☐BPS	C3216X5R226☐BP	0.5V ,120Hz	22	uF	±10% ,±20%	1.60	±0.20	±0.30	15.0%	Embossed,2Kpcs	(II)
	C3216X5R476MBPS	C3216X5R476MBP	0.5V ,120Hz	47	uF	±20%	1.60	±0.20	±0.30	15.0%		(II)
	C3216X5R107MBPS	C3216X5R107MBP	0.5V ,120Hz	100	uF	±20%	1.60	±0.30	±0.30	15.0%		(II)
	C3216X5R227MBPSL	C3216X5R227MBP	0.5V ,120Hz	220	uF	±20%	1.60	±0.30	±0.30	15.0%		(II)

☐ Tolerance Code: K=±10%,M=±20% ;

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C3225X5R Series (EIA1210)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C3225X5R106☐GPS	C3225X5R106☐GP	1V ,1KHz	10	uF	±10% ,±20%	2.50	±0.30/±0.20	±0.20	5.0%	Embossed,1Kpcs	(II)
35V	C3225X5R106☐NPS	C3225X5R106☐NP	1V ,1KHz	10	uF	±10% ,±20%	2.50	±0.30/±0.20	±0.20	5.0%	Embossed,1Kpcs	(I)
25V	C3225X5R475☐FWS	C3225X5R475☐FW	1V ,1KHz	4.7	uF	±10% ,±20%	2.00	±0.30/±0.20	±0.20	10.0%	Embossed,1Kpcs	(I)
	C3225X5R106☐FPS	C3225X5R106☐FP	1V ,1KHz	10	uF	±10% ,±20%	2.00	±0.30/±0.20	±0.20	10.0%	Embossed,2Kpcs	(I)
	C3225X5R226☐FPS	C3225X5R226☐FP	0.5V ,120Hz	22	uF	±10% ,±20%	2.50	±0.30/±0.20	±0.20	10.0%	Embossed,1Kpcs	(II)
16V	C3225X5R475☐EWS	C3225X5R475☐EW	1V ,1KHz	4.7	uF	±10% ,±20%	2.00	±0.30/±0.20	±0.20	5.0%	Embossed,1Kpcs	(I)
	C3225X5R106☐EPS	C3225X5R106☐EP	1V ,1KHz	10	uF	±10% ,±20%	2.00	±0.30/±0.20	±0.20	5.0%	Embossed,2Kpcs	(I)
	C3225X5R226☐EPS	C3225X5R226☐EP	0.5V ,120Hz	22	uF	±10% ,±20%	2.50	±0.30/±0.20	±0.20	10.0%	Embossed,1kpcs	(II)
	C3225X5R476☐EPS	C3225X5R476☐EP	0.5V ,120Hz	47	uF	±10% ,±20%	2.50	±0.30/±0.20	±0.20	15.0%	Embossed,1Kpcs	(II)
10V	C3225X5R106KDPS	C3225X5R106KDP	1V ,1KHz	10	uF	±10%	2.00	±0.30/±0.20	±0.20	5.0%	Embossed,2Kpcs	(I)
	C3225X5R226☐DPS	C3225X5R226☐DP	0.5V ,120Hz	22	uF	±10% ,±20%	2.50	±0.30/±0.20	±0.20	10.0%	Embossed,1Kpcs	(II)
	C3225X5R476☐DPS	C3225X5R476☐DP	0.5V ,120Hz	47	uF	±10% ,±20%	2.50	±0.30/±0.20	±0.20	10.0%		(II)
	C3225X5R107MDPS	C3225X5R107MDP	0.5V ,120Hz	100	uF	±20%	2.50	±0.30/±0.20	±0.30	10.0%		(II)
6.3V	C3225X5R226☐CPS	C3225X5R226☐CP	0.5V ,120Hz	22	uF	±10% ,±20%	2.50	±0.30/±0.20	±0.20	10.0%	Embossed,1Kpcs	(II)
	C3225X5R476☐CPS	C3225X5R476☐CP	0.5V ,120Hz	47	uF	±10% ,±20%	2.50	±0.30/±0.20	±0.20	15.0%		(II)
	C3225X5R107MCPS	C3225X5R107MCP	0.5V ,120Hz	100	uF	±20%	2.50	±0.30	±0.30	15.0%		(II)

☐ Tolerance Code: K=±10%,M=±20% ;Special tolerance on the request.;

- C4532X5R Series (EIA1812)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C4532X5R225KGPS	C4532X5R225KGP	1V , 1KHz	2.2	uF	±10%	1.60	±0.30	±0.20	10.0%	Embossed , 1Kpcs	(II)*

☐ Tolerance Code: K=±10%,M=±20% ;Special tolerance on the request.;

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

■ X6S Series

● C0603X6S Series (EIA0201)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
25V	C0603X6S103KFTS	C0603X6S103KFT	1V,1KHz	10	nF	±10%	0.30	± 0.03	±0.03	5%	Paper, 15Kpcs	(I)
	C0603X6S104☐FTS	C0603X6S104☐FT	1V,1KHz	100	nF	±10%, ±20%	0.30	± 0.03	±0.03	10%		(II)*
16V	C0603X6S103KETS	C0603X6S103KET	1V,1KHz	10	nF	±10%	0.30	± 0.03	± 0.03	5%	Paper, 15Kpcs	(I)
	C0603X6S104☐ETS	C0603X6S104☐ET	1V,1KHz	100	nF	±10%, ±20%	0.30	± 0.05	±0.05	10%		(II)*
10V	C0603X6S473KDTS	C0603X6S473KDT	1V,1KHz	47	nF	±10%	0.30	± 0.03	± 0.03	5%	Paper, 15Kpcs	(I)
	C0603X6S104KDTS	C0603X6S104KDT	1V,1KHz	100	nF	±10%	0.30	± 0.05	±0.05	10%		(II)
	C0603X6S224☐DTS	C0603X6S224☐DT	1V,1KHz	220	nF	±10%, ±20%	0.30	± 0.03	±0.03	10%		(II)*
6.3V	C0603X6S103☐CTS	C0603X6S103☐CT	1V,1KHz	10	nF	±10%, ±20%	0.30	± 0.03	±0.03	5%	Paper, 15Kpcs	(I)
	C0603X6S153KCTS	C0603X6S153KCT	1V,1KHz	15	nF	±10%	0.30	± 0.05	±0.05	10%		(II)
	C0603X6S333☐CTS	C0603X6S333☐CT	1V,1KHz	33	nF	±10%, ±20%	0.30	± 0.05	±0.05	10%		(II)
	C0603X6S473☐CTS	C0603X6S473☐CT	1V,1KHz	47	nF	±10%, ±20%	0.30	± 0.05	±0.05	10%		(II)
	C0603X6S104☐CTS	C0603X6S104☐CT	1V,1KHz	100	nF	±10%, ±20%	0.30	± 0.05	±0.05	10%		(II)*
	C0603X6S224☐CTS	C0603X6S224☐CT	0.5V,1KHz	220	nF	±10%, ±20%	0.30	± 0.03	±0.03	10%		(II)*
	C0603X6S105MCTS	C0603X6S105MCT	0.5V,1KHz	1.0	uF	±20%	0.30	± 0.09	± 0.09	10%		(II)*
4V	C0603X6S104☐BTS	C0603X6S104☐BT	1V,1KHz	100	nF	±10%, ±20%	0.30	± 0.05	±0.05	10%	Paper, 15Kpcs	(II)
	C0603X6S224☐BTS	C0603X6S224☐BT	0.5V,1KHz	220	nF	±10%, ±20%	0.30	± 0.03	±0.03	10%		(II)
	C0603X6S474MBTS	C0603X6S474MBT	1V,1KHz	470	nF	±20%	0.30	± 0.05	±0.05	10%		(II)*
	C0603X6S105MBTS	C0603X6S105MBT	0.5V,1KHz	1.0	uF	±20%	0.30	± 0.09	± 0.09	10%		(II)*

☐ Tolerance Code: K=±10%,M=±20% ;Special tolerance on the request.;

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C1005X6S Series (EIA0402)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
25V	C1005X6S104KFTS	C1005X6S104KFT	1V,1KHz	100	nF	±10%	0.50	±0.05	±0.05	10.0%	Paper , 10Kpcs	(II)
	C1005X6S224KFTS	C1005X6S224KFT	1V,1KHz	220	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X6S105☐FTS	C1005X6S105☐FT	0.5V,1KHz	1.0	uF	±10%,±20%	0.50	±0.10	±0.10	10.0%		(II)*
	C1005X6S225☐FTS	C1005X6S225☐FT	1V,1KHz	2.2	uF	±10%,±20%	0.50	±0.20	±0.20	10.0%		(II)*
16V	C1005X6S104KETS	C1005X6S104KET	1V,1KHz	100	nF	±10%	0.50	±0.05	±0.05	10.0%	Paper , 10Kpcs	(II)
	C1005X6S224KETS	C1005X6S224KET	1V,1KHz	220	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X6S334KETS	C1005X6S334KET	1V,1KHz	330	nF	±10%	0.50	±0.10	±0.10	12.5%		(II)*
	C1005X6S474☐ETS	C1005X6S474☐ET	1V,1KHz	470	nF	±10%,±20%	0.50	±0.10	±0.10	12.5%		(II)*
	C1005X6S105☐ETS	C1005X6S105☐ET	1V,1KHz	1.0	uF	±10%,±20%	0.50	±0.10	±0.10	12.5%		(II)*
	C1005X6S225☐ETS	C1005X6S225☐ET	1V,1KHz	2.2	uF	±10%,±20%	0.50	±0.20	±0.20	10.0%		(II)
10V	C1005X6S105☐DTS	C1005X6S105☐DT	1V,1KHz	1.0	uF	±10%,±20%	0.50	±0.05	±0.05	12.5%	Paper , 10Kpcs	(II)*
	C1005X6S225☐DTS	C1005X6S225☐DT	1V,1KHz	2.2	uF	±10%,±20%	0.50	±0.20	±0.20	12.5%		(II)
	C1005X6S475MDTS	C1005X6S475MDT	1V,1KHz	4.7	uF	±20%	0.50	±0.20	±0.20	10.0%		(II)
6.3V	C1005X6S224KCTS	C1005X6S224KCT	1V,1KHz	220	nF	±10%	0.50	±0.10	±0.10	10.0%	Paper , 10Kpcs	(II)
	C1005X6S334KCTS	C1005X6S334KCT	1V,1KHz	330	nF	±10%	0.50	±0.10	±0.10	12.5%		(II)*
	C1005X6S105☐CTS	C1005X6S105☐CT	1V,1KHz	1.0	uF	±10%,±20%	0.50	±0.05	±0.05	12.5%		(II)*
	C1005X6S225☐CTS	C1005X6S225☐CT	0.5V,1KHz	2.2	uF	±10%,±20%	0.50	±0.15	±0.15	12.5%		(II)*
	C1005X6S475MCTS	C1005X6S475MCT	0.5V,1KHz	4.7	uF	±20%	0.50	±0.15	±0.15	10.0%		(II)*
	C1005X6S106MCTS	C1005X6S106MCT	0.5V,1KHz	10	uF	±20%	0.50	±0.20	±0.20	10.0%		(II)*
4V	C1005X6S334KBTS	C1005X6S334KBT	1V,1KHz	330	nF	±10%	0.50	±0.10	±0.10	10.0%	Paper , 10Kpcs	(II)
	C1005X6S105☐BTS	C1005X6S105☐BT	1V,1KHz	1.0	uF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)*
	C1005X6S106MBTS	C1005X6S106MBT	0.5V,1KHz	10	uF	±20%	0.50	±0.20	±0.20	10.0%		(II)*
	C1005X6S226MBTS	C1005X6S226MBT	0.5V,120Hz	22	uF	±20%	0.50	±0.30	±0.30	20.0%		(II)*
2.5V	C1005X6S226MTTS	C1005X6S226MTT	0.5V,120Hz	22	uF	±20%	0.50	±0.30	±0.30	20.0%	Paper , 10Kpcs	(II)*

☐ Tolerance Code: K=±10%,M=±20% ;Special tolerance on the request.;

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C1608X6S Series (EIA0603)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
25V	C1608X6S225KFTS	C1608X6S225KFT	1V,1KHz	2.2	uF	±10%	0.8	±0.20	±0.20	10.0%	Paper,4Kpcs	(II)*
	C1608X6S475☐FTS	C1608X6S475☐FT	1V,1KHz	4.7	uF	±10%,±20%	0.80	±0.20	±0.20	10.0%		(II)*
16V	C1608X6S105KETS	C1608X6S105KET	1V,1KHz	1.0	uF	±10%	0.80	±0.15	±0.15	10.0%	Paper,4Kpcs	(II)
	C1608X6S225☐ETS	C1608X6S225☐ET	1V,1KHz	2.2	uF	±10%,±20%	0.80	±0.10	±0.10	10.0%		(II)*
	C1608X6S475☐ETS	C1608X6S475☐ET	1V,1KHz	4.7	uF	±10%,±20%	0.80	±0.20	±0.20	10.0%		(II)*
	C1608X6S106METS	C1608X6S106MET	1V,1KHz	10	uF	±20%	0.80	±0.20	±0.20	10.0%		(II)
10V	C1608X6S225KDTS	C1608X6S225KDT	1V,1KHz	2.2	uF	±10%	0.80	±0.10	±0.10	10.0%	Paper, 4Kpcs	(II)
	C1608X6S475☐DTS	C1608X6S475☐DT	1V,1KHz	4.7	uF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X6S106MDTS	C1608X6S106MDT	1V,1KHz	10	uF	±20%	0.80	±0.20	±0.20	10.0%		(II)
6.3V	C1608X6S475☐CTS	C1608X6S475☐CT	1V,1KHz	4.7	uF	±10%,±20%	0.80	±0.10	±0.10	10.0%	Paper, 4Kpcs	(II)*
	C1608X6S106MCTS	C1608X6S106MCT	1V,1KHz	10	uF	±20%	0.80	±0.20	±0.20	10.0%		(II)*
	C1608X6S226MCTS	C1608X6S226MCT	0.5V,120Hz	22	uF	±20%	0.80	±0.20	±0.20	10.0%		(II)*
4V	C1608X6S475☐BTS	C1608X6S475☐BT	1V,1KHz	4.7	uF	±10%,±20%	0.80	±0.10	±0.10	10.0%	Paper, 4Kpcs	(II)*
	C1608X6S106MBTS	C1608X6S106MBT	1V,1KHz	10	uF	±20%	0.80	±0.20	±0.20	10.0%		(II)*
	C1608X6S226MBTS	C1608X6S226MBT	0.5V,120Hz	22	uF	±20%	0.80	±0.20	±0.20	10.0%		(II)*
	C1608X6S476MBTS	C1608X6S476MBT	0.5V,120Hz	47	uF	±20%	0.80	±0.20	±0.20	15.0%		(II)*

● C2012X6S Series (EIA0805)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C2012X6S104KGTS	C2012X6S104KGT	1V,1KHz	100	nF	±10%	0.80	±0.15	±0.10	2.5%	Paper,4Kpcs	(I)
	C2012X6S475KGPS	C2012X6S475KGP	1V,1KHz	4.7	uF	±10%	1.25	±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
25V	C2012X6S225KFPS	C2012X6S225KFP	1V,1KHz	2.2	uF	±10%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)*
	C2012X6S475KFPS	C2012X6S475KFP	1V,1KHz	4.7	uF	±10%	1.25	±0.15/±0.20	±0.20	12.5%		(II)*
	C2012X6S106☐FPS	C2012X6S106☐FP	0.5V,1KHz	10	uF	±10%, ±20%	1.25	±0.15/±0.20	±0.20	12.5%		(II)*
16V	C2012X6S106KEPS	C2012X6S106KEP	1V,1KHz	10	uF	±10%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X6S226MEPS	C2012X6S226MEP	0.5V,120Hz	22	uF	±20%	1.25	±0.20	±0.20	10.0%		(II)*
10V	C2012X6S106KDPS	C2012X6S106KDP	1V,1KHz	10	uF	±10%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)*
	C2012X6S226MDPS	C2012X6S226MDP	0.5V,120Hz	22	uF	±20%	1.25	±0.20	±0.20	10.0%		(II)
6.3V	C2012X6S106☐CPS	C2012X6S106☐CP	1V,1KHz	10	uF	±10%, ±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)*
	C2012X6S226MCPS	C2012X6S226MCP	0.5V,120Hz	22	uF	±20%	1.25	±0.20	±0.20	10.0%		(II)*
	C2012X6S476MCPS	C2012X6S476MCP	0.5V,120Hz	47	uF	±20%	1.25	±0.20	±0.20	10.0%		(II)*
4V	C2012X6S106☐BPS	C2012X6S106☐BP	1V,1KHz	10	uF	±10%, ±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X6S226MBPS	C2012X6S226MBP	0.5V,120Hz	22	uF	±20%	1.25	±0.20	±0.20	10.0%		(II)
	C2012X6S476MBPS	C2012X6S476MBP	0.5V,120Hz	47	uF	±20%	1.25	±0.20	±0.20	10.0%		(II)*
	C2012X6S107MBPS	C2012X6S107MBP	0.5V,120Hz	100	uF	±20%	1.25	±0.20	±0.20	10.0%		(II)*

☐ Tolerance Code: K=±10%,M=±20% ;Special tolerance on the request.;

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C3216X6S Series (EIA1206)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
35V	C3216X6S106KNPS	C3216X6S106KNP	1V,1KHz	10	uF	±10%	1.60	±0.30	±0.30	10.0%	Embossed,2Kpcs	(II)*
25V	C3216X6S106KFPS	C3216X6S106KFP	1V,1KHz	10	uF	±10%	1.60	±0.20	±0.20	10.0%	Embossed,2Kpcs	(II)
	C3216X6S226MFPS	C3216X6S226MFP	0.5V,120Hz	22	uF	±20%	1.60	±0.30	±0.30	10.0%		(II)
16V	C3216X6S226MEPS	C3216X6S226MEP	0.5V,120Hz	22	uF	±20%	1.60	±0.30	±0.30	10.0%	Embossed,2Kpcs	(II)
10V	C3216X6S226MDPS	C3216X6S226MDP	0.5V,120Hz	22	uF	±20%	1.60	±0.20	±0.20	10.0%	Embossed,2Kpcs	(II)
	C3216X6S476MDPS	C3216X6S476MDP	0.5V,120Hz	47	uF	±20%	1.60	±0.30	±0.30	10.0%		(II)
6.3V	C3216X6S476MCPS	C3216X6S476MCP	0.5V,120Hz	47	uF	±20%	1.60	±0.20	±0.20	10.0%	Embossed,2Kpcs	(II)
4V	C3216X6S226MBTS	C3216X6S226MBT	0.5V,120Hz	22	uF	±20%	0.85	±0.20	±0.10	10.0%	Paper,4Kpcs	(II)
	C3216X6S107MBPS	C3216X6S107MBP	0.5V,120Hz	100	uF	±20%	1.60	±0.20	±0.20	10.0%	Embossed,2Kpcs	(II)

☐ Tolerance Code: K=±10%,M=±20% ;Special tolerance on the request.;

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

- C3225X6S Series (EIA1210)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
6.3V	C3225X6S107MCPS	C3225X6S107MCP	0.5V,120Hz	100	uF	±20%	2.50	±0.30	±0.30	10.0%	Embossed,1Kpcs	(II)

☐ Tolerance Code: K=±10%,M=±20% ;Special tolerance on the request.;

■ X7R Series

● C0603X7R Series(EIA0201)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C0603X7R101□GTS	C0603X7R101□GT	1V,1kHz	100	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.0%	Paper,15Kpcs	(I)
	C0603X7R121KGTS	C0603X7R121KGT	1V,1kHz	120	pF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R151□GTS	C0603X7R151□GT	1V,1kHz	150	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R181KGTS	C0603X7R181KGT	1V,1kHz	180	pF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R221□GTS	C0603X7R221□GT	1V,1kHz	220	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R271KGTS	C0603X7R271KGT	1V,1kHz	270	pF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R331KGTS	C0603X7R331KGT	1V,1kHz	330	pF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R391KGTS	C0603X7R391KGT	1V,1kHz	390	pF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R471KGTS	C0603X7R471KGT	1V,1kHz	470	pF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R561KGTS	C0603X7R561KGT	1V,1kHz	560	pF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R681□GTS	C0603X7R681□GT	1V,1kHz	680	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R821KGTS	C0603X7R821KGT	1V,1kHz	820	pF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R102KGTS	C0603X7R102KGT	1V,1kHz	1.0	nF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R122KGTS	C0603X7R122KGT	1V,1kHz	1.2	nF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R152KGTS	C0603X7R152KGT	1V,1kHz	1.5	nF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R182KGTS	C0603X7R182KGT	1V,1kHz	1.8	nF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R222KGTS	C0603X7R222KGT	1V,1kHz	2.2	nF	±10%	0.30	± 0.03	± 0.03	3.0%		(I)
	C0603X7R332KGTS	C0603X7R332KGT	1V,1kHz	3.3	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R472KGTS	C0603X7R472KGT	1V,1kHz	4.7	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R103KGTS	C0603X7R103KGT	1V,1kHz	10	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(II)*
25V	C0603X7R101KFTS	C0603X7R101KFT	1V,1kHz	100	pF	±10%	0.30	± 0.03	± 0.03	3.5%	Paper,15Kpcs	(I)
	C0603X7R121KFTS	C0603X7R121KFT	1V,1kHz	120	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R151KFTS	C0603X7R151KFT	1V,1kHz	150	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R181KFTS	C0603X7R181KFT	1V,1kHz	180	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R221□FTS	C0603X7R221□FT	1V,1kHz	220	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R271KFTS	C0603X7R271KFT	1V,1kHz	270	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R331KFTS	C0603X7R331KFT	1V,1kHz	330	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R391KFTS	C0603X7R391KFT	1V,1kHz	390	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R471□FTS	C0603X7R471□FT	1V,1kHz	470	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R561KFTS	C0603X7R561KFT	1V,1kHz	560	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R681KFTS	C0603X7R681KFT	1V,1kHz	680	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R821□FTS	C0603X7R821□FT	1V,1kHz	820	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R102KFTS	C0603X7R102KFT	1V,1kHz	1.0	nF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R122KFTS	C0603X7R122KFT	1V,1kHz	1.2	nF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R152KFTS	C0603X7R152KFT	1V,1kHz	1.5	nF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R182KFTS	C0603X7R182KFT	1V,1kHz	1.8	nF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R222KFTS	C0603X7R222KFT	1V,1kHz	2.2	nF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R332KFTS	C0603X7R332KFT	1V,1kHz	3.3	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R472KFTS	C0603X7R472KFT	1V,1kHz	4.7	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R682KFTS	C0603X7R682KFT	1V,1kHz	6.8	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R103KFTS	C0603X7R103KFT	1V,1kHz	10	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
16V	C0603X7R101KETS	C0603X7R101KET	1V,1kHz	100	pF	±10%	0.30	± 0.03	± 0.03	3.5%	Paper,15Kpcs	(I)
	C0603X7R181KETS	C0603X7R181KET	1V,1kHz	180	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R201□ETS	C0603X7R201□ET	1V,1kHz	200	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R221KETS	C0603X7R221KET	1V,1kHz	220	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R331□ETS	C0603X7R331□ET	1V,1kHz	330	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R471KETS	C0603X7R471KET	1V,1kHz	470	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R561KETS	C0603X7R561KET	1V,1kHz	560	pF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R681□ETS	C0603X7R681□ET	1V,1kHz	680	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R821□ETS	C0603X7R821□ET	1V,1kHz	820	pF	±5%,±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R102□ETS	C0603X7R102□ET	1V,1kHz	1.0	nF	±5%,±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R152□ETS	C0603X7R152□ET	1V,1kHz	1.5	nF	±5%,±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R182KETS	C0603X7R182KET	1V,1kHz	1.8	nF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R222KETS	C0603X7R222KET	1V,1kHz	2.2	nF	±10%	0.30	± 0.03	± 0.03	3.5%		(I)
	C0603X7R272□ETS	C0603X7R272□ET	1V,1kHz	2.7	nF	±5%,±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R332KETS	C0603X7R332KET	1V,1kHz	3.3	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R392KETS	C0603X7R392KET	1V,1kHz	3.9	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R472KETS	C0603X7R472KET	1V,1kHz	4.7	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R562KETS	C0603X7R562KET	1V,1kHz	5.6	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R682KETS	C0603X7R682KET	1V,1kHz	6.8	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R822KETS	C0603X7R822KET	1V,1kHz	8.2	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R103□ETS	C0603X7R103□ET	1V,1kHz	10	nF	±5%,±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R223KETS	C0603X7R223KET	1V,1kHz	22	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
16V	C0603X7R333KETS	C0603X7R333KET	1V,1kHz	33	nF	±10%	0.30	± 0.03	± 0.03	5.0%	Paper,15Kpcs	(I)
	C0603X7R473KETS	C0603X7R473KET	1V,1kHz	47	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R104□ETS	C0603X7R104□ET	1V,1kHz	100	nF	±10%, ±20%	0.30	± 0.05	± 0.05	10%		(II)*
10V	C0603X7R221□DTS	C0603X7R221□DT	1V,1kHz	220	pF	±5%,±10%	0.30	± 0.03	± 0.03	5.0%	Paper,15Kpcs	(I)
	C0603X7R102KDTS	C0603X7R102KDT	1V,1kHz	1.0	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R182KDTS	C0603X7R182KDT	1V,1kHz	1.8	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R222KDTS	C0603X7R222KDT	1V,1kHz	2.2	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R272□DTS	C0603X7R272□DT	1V,1kHz	2.7	nF	±5%,±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R332KDTS	C0603X7R332KDT	1V,1kHz	3.3	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R392KDTS	C0603X7R392KDT	1V,1kHz	3.9	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R472KDTS	C0603X7R472KDT	1V,1kHz	4.7	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R562KDTS	C0603X7R562KDT	1V,1kHz	5.6	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R682KDTS	C0603X7R682KDT	1V,1kHz	6.8	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R822KDTS	C0603X7R822KDT	1V,1kHz	8.2	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R103KDTS	C0603X7R103KDT	1V,1kHz	10	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R473KDTS	C0603X7R473KDT	1V,1kHz	47	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R104□DTS	C0603X7R104□DT	1V,1kHz	100	nF	±10%, ±20%	0.30	± 0.05	± 0.05	10%		(II)
6.3V	C0603X7R222KCTS	C0603X7R222KCT	1V,1kHz	2.2	nF	±10%	0.30	± 0.03	± 0.03	5.0%	Paper,15Kpcs	(I)
	C0603X7R332KCTS	C0603X7R332KCT	1V,1kHz	3.3	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R103KCTS	C0603X7R103KCT	1V,1kHz	10	nF	±10%	0.30	± 0.03	± 0.03	5.0%		(I)
	C0603X7R153KCTS	C0603X7R153KCT	1V,1kHz	15	nF	±10%	0.30	± 0.05	± 0.05	10%		(II)
	C0603X7R333KCTS	C0603X7R333KCT	1V,1kHz	33	nF	±10%	0.30	± 0.05	± 0.05	10%		(II)
	C0603X7R104KCTS	C0603X7R104KCT	1V,1kHz	100	nF	±10%	0.30	± 0.05	± 0.05	10%		(II)
	C0603X7R224KCTS	C0603X7R224KCT	1V,1kHz	220	nF	±10%	0.30	± 0.05	± 0.05	12.5%		(II)*

□ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C1005X7R Series (EIA0402)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C1005X7R101□GTS	C1005X7R101□GT	1V,1kHz	100	pF	±5%,±10%	0.50	±0.05	±0.05	3.0%	Paper,10Kpcs	(I)
	C1005X7R121KGTS	C1005X7R121KGT	1V,1kHz	120	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R151KGTS	C1005X7R151KGT	1V,1kHz	150	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R181KGTS	C1005X7R181KGT	1V,1kHz	180	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R201KGTS	C1005X7R201KGT	1V,1kHz	200	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R221KGTS	C1005X7R221KGT	1V,1kHz	220	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R271□GTS	C1005X7R271□GT	1V,1kHz	270	pF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R301KGTS	C1005X7R301KGT	1V,1kHz	300	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R331□GTS	C1005X7R331□GT	1V,1kHz	330	pF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R391□GTS	C1005X7R391□GT	1V,1kHz	390	pF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R471□GTS	C1005X7R471□GT	1V,1kHz	470	pF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R561KGTS	C1005X7R561KGT	1V,1kHz	560	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R681KGTS	C1005X7R681KGT	1V,1kHz	680	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R751KGTS	C1005X7R751KGT	1V,1kHz	750	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R821KGTS	C1005X7R821KGT	1V,1kHz	820	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R102□GTS	C1005X7R102□GT	1V,1kHz	1.0	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R122□GTS	C1005X7R122□GT	1V,1kHz	1.2	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R152KGTS	C1005X7R152KGT	1V,1kHz	1.5	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R182KGTS	C1005X7R182KGT	1V,1kHz	1.8	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R222□GTS	C1005X7R222□GT	1V,1kHz	2.2	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R272□GTS	C1005X7R272□GT	1V,1kHz	2.7	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R332□GTS	C1005X7R332□GT	1V,1kHz	3.3	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R392KGTS	C1005X7R392KGT	1V,1kHz	3.9	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R472□GTS	C1005X7R472□GT	1V,1kHz	4.7	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R562□GTS	C1005X7R562□GT	1V,1kHz	5.6	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R682KGTS	C1005X7R682KGT	1V,1kHz	6.8	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R822KGTS	C1005X7R822KGT	1V,1kHz	8.2	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R103□GTS	C1005X7R103□GT	1V,1kHz	10	nF	±5%,±10%,±20%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R123KGTS	C1005X7R123KGT	1V,1kHz	12	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R153KGTS	C1005X7R153KGT	1V,1kHz	15	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R183KGTS	C1005X7R183KGT	1V,1kHz	18	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R223□GTS	C1005X7R223□GT	1V,1kHz	22	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R333KGTS	C1005X7R333KGT	1V,1kHz	33	nF	±10%	0.50	±0.05	±0.05	3.5%		(I)
	C1005X7R473KGTS	C1005X7R473KGT	1V,1kHz	47	nF	±10%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X7R683KGTS	C1005X7R683KGT	1V,1kHz	68	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C1005X7R104□GTS	C1005X7R104□GT	1V,1kHz	100	nF	±10%,±20%	0.50	±0.10	±0.10	10.0%	Paper,10Kpcs	(II)
35V	C1005X7R473KNTS	C1005X7R473KNT	1V,1kHz	47	nF	±10%	0.50	±0.05	±0.05	10.0%	Paper,10Kpcs	(II)
	C1005X7R101KFTS	C1005X7R101KFT	1V,1kHz	100	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R121KFTS	C1005X7R121KFT	1V,1kHz	120	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R151KFTS	C1005X7R151KFT	1V,1kHz	150	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R181KFTS	C1005X7R181KFT	1V,1kHz	180	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R221KFTS	C1005X7R221KFT	1V,1kHz	220	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R271KFTS	C1005X7R271KFT	1V,1kHz	270	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R331KFTS	C1005X7R331KFT	1V,1kHz	330	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R391KFTS	C1005X7R391KFT	1V,1kHz	390	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R471KFTS	C1005X7R471KFT	1V,1kHz	470	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R561KFTS	C1005X7R561KFT	1V,1kHz	560	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R681KFTS	C1005X7R681KFT	1V,1kHz	680	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R821KFTS	C1005X7R821KFT	1V,1kHz	820	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R102□FTS	C1005X7R102□FT	1V,1kHz	1.0	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R122KFTS	C1005X7R122KFT	1V,1kHz	1.2	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R152KFTS	C1005X7R152KFT	1V,1kHz	1.5	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R182KFTS	C1005X7R182KFT	1V,1kHz	1.8	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R222KFTS	C1005X7R222KFT	1V,1kHz	2.2	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R272KFTS	C1005X7R272KFT	1V,1kHz	2.7	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
25V	C1005X7R332□FTS	C1005X7R332□FT	1V,1kHz	3.3	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%	Paper,10Kpcs	(I)
	C1005X7R392KFTS	C1005X7R392KFT	1V,1kHz	3.9	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R472□FTS	C1005X7R472□FT	1V,1kHz	4.7	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R562KFTS	C1005X7R562KFT	1V,1kHz	5.6	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R682KFTS	C1005X7R682KFT	1V,1kHz	6.8	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R822KFTS	C1005X7R822KFT	1V,1kHz	8.2	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R103□FTS	C1005X7R103□FT	1V,1kHz	10	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R123KFTS	C1005X7R123KFT	1V,1kHz	12	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R153□FTS	C1005X7R153□FT	1V,1kHz	15	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R183KFTS	C1005X7R183KFT	1V,1kHz	18	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R223□FTS	C1005X7R223□FT	1V,1kHz	22	nF	±5%,±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R273□FTS	C1005X7R273□FT	1V,1kHz	27	nF	±10%,±20%	0.50	±0.05	±0.05	3.5%		(I)
	C1005X7R333KFTS	C1005X7R333KFT	1V,1kHz	33	nF	±10%	0.50	±0.05	±0.05	3.5%		(I)
	C1005X7R393KFTS	C1005X7R393KFT	1V,1kHz	39	nF	±10%	0.50	±0.05	±0.05	3.5%		(I)
	C1005X7R473KFTS	C1005X7R473KFT	1V,1kHz	47	nF	±10%	0.50	±0.05	±0.05	3.5%		(I)
	C1005X7R563KFTS	C1005X7R563KFT	1V,1kHz	56	nF	±10%	0.50	±0.05	±0.05	3.5%		(I)
	C1005X7R683KFTS	C1005X7R683KFT	1V,1kHz	68	nF	±10%	0.50	±0.05	±0.05	3.5%		(I)
	C1005X7R104□FTS	C1005X7R104□FT	1V,1kHz	100	nF	±10%,±20%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X7R224KFTS	C1005X7R224KFT	1V,1kHz	220	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X7R101KETS	C1005X7R101KET	1V,1kHz	100	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R121KETS	C1005X7R121KET	1V,1kHz	120	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R151KETS	C1005X7R151KET	1V,1kHz	150	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R181KETS	C1005X7R181KET	1V,1kHz	180	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R221□ETS	C1005X7R221□ET	1V,1kHz	220	pF	±5%,±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R271KETS	C1005X7R271KET	1V,1kHz	270	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R331KETS	C1005X7R331KET	1V,1kHz	330	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R391KETS	C1005X7R391KET	1V,1kHz	390	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R471KETS	C1005X7R471KET	1V,1kHz	470	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R561KETS	C1005X7R561KET	1V,1kHz	560	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R681KETS	C1005X7R681KET	1V,1kHz	680	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R821KETS	C1005X7R821KET	1V,1kHz	820	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
16V	C1005X7R102□ETS	C1005X7R102□ET	1V,1kHz	1.0	nF	±5%,±10%	0.50	±0.05	±0.05	5.0%	Paper,10Kpcs	(I)
	C1005X7R122KETS	C1005X7R122KET	1V,1kHz	1.2	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R152□ETS	C1005X7R152□ET	1V,1kHz	1.5	nF	±5%,±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R182KETS	C1005X7R182KET	1V,1kHz	1.8	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R222□ETS	C1005X7R222□ET	1V,1kHz	2.2	nF	±5%,±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R272KETS	C1005X7R272KET	1V,1kHz	2.7	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R332KETS	C1005X7R332KET	1V,1kHz	3.3	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R392KETS	C1005X7R392KET	1V,1kHz	3.9	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R472KETS	C1005X7R472KET	1V,1kHz	4.7	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R562KETS	C1005X7R562KET	1V,1kHz	5.6	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R682KETS	C1005X7R682KET	1V,1kHz	6.8	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R822KETS	C1005X7R822KET	1V,1kHz	8.2	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R103□ETS	C1005X7R103□ET	1V,1kHz	10	nF	±5%,±10%	0.50	±0.05	±0.05	5.0%		(I)
16V	C1005X7R123KETS	C1005X7R123KET	1V,1kHz	12	nF	±10%	0.50	±0.05	±0.05	5.0%	Paper,10Kpcs	(I)
	C1005X7R153KETS	C1005X7R153KET	1V,1kHz	15	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
16V	C1005X7R183KETS	C1005X7R183KET	1V,1kHz	18	nF	±10%	0.50	±0.05	±0.05	5.0%	Paper,10Kpcs	(I)
	C1005X7R223KETS	C1005X7R223KET	1V,1kHz	22	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R273KETS	C1005X7R273KET	1V,1kHz	27	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R333KETS	C1005X7R333KET	1V,1kHz	33	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R393KETS	C1005X7R393KET	1V,1kHz	39	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R473□ETS	C1005X7R473□ET	1V,1kHz	47	nF	±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R563KETS	C1005X7R563KET	1V,1kHz	56	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R683KETS	C1005X7R683KET	1V,1kHz	68	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R823KETS	C1005X7R823KET	1V,1kHz	82	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R104□ETS	C1005X7R104□ET	1V,1kHz	100	nF	±5%,±10%,±20%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R154KETS	C1005X7R154KET	1V,1kHz	150	nF	±10%	0.50	±0.05	±0.05	10.0%		(II)
	C1005X7R224□ETS	C1005X7R224□ET	1V,1kHz	220	nF	±10%,±20%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X7R334KETS	C1005X7R334KET	1V,1kHz	330	nF	±10%	0.50	±0.10	±0.10	12.5%		(II)*
	C1005X7R474KETS	C1005X7R474KET	1V,1kHz	470	nF	±10%	0.50	±0.10	±0.10	12.5%		(II)*
10V	C1005X7R101KDTS	C1005X7R101KDT	1V,1kHz	100	pF	±10%	0.50	±0.05	±0.05	5.0%	Paper,10Kpcs	(I)
	C1005X7R121KDTS	C1005X7R121KDT	1V,1kHz	120	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R151KDTS	C1005X7R151KDT	1V,1kHz	150	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R181KDTS	C1005X7R181KDT	1V,1kHz	180	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R221KDTS	C1005X7R221KDT	1V,1kHz	220	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R271KDTS	C1005X7R271KDT	1V,1kHz	270	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R331KDTS	C1005X7R331KDT	1V,1kHz	330	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R391KDTS	C1005X7R391KDT	1V,1kHz	390	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R471KDTS	C1005X7R471KDT	1V,1kHz	470	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R561KDTS	C1005X7R561KDT	1V,1kHz	560	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R681KDTS	C1005X7R681KDT	1V,1kHz	680	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R821KDTS	C1005X7R821KDT	1V,1kHz	820	pF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R102KDTS	C1005X7R102KDT	1V,1kHz	1.0	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R122KDTS	C1005X7R122KDT	1V,1kHz	1.2	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R152KDTS	C1005X7R152KDT	1V,1kHz	1.5	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R182KDTS	C1005X7R182KDT	1V,1kHz	1.8	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R222KDTS	C1005X7R222KDT	1V,1kHz	2.2	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R272KDTS	C1005X7R272KDT	1V,1kHz	2.7	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R332KDTS	C1005X7R332KDT	1V,1kHz	3.3	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R392KDTS	C1005X7R392KDT	1V,1kHz	3.9	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R472KDTS	C1005X7R472KDT	1V,1kHz	4.7	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R562KDTS	C1005X7R562KDT	1V,1kHz	5.6	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R682KDTS	C1005X7R682KDT	1V,1kHz	6.8	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R822KDTS	C1005X7R822KDT	1V,1kHz	8.2	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R103KDTS	C1005X7R103KDT	1V,1kHz	10	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R123KDTS	C1005X7R123KDT	1V,1kHz	12	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R153KDTS	C1005X7R153KDT	1V,1kHz	15	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R183KDTS	C1005X7R183KDT	1V,1kHz	18	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R223KDTS	C1005X7R223KDT	1V,1kHz	22	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R273KDTS	C1005X7R273KDT	1V,1kHz	27	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R333KDTS	C1005X7R333KDT	1V,1kHz	33	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R393KDTS	C1005X7R393KDT	1V,1kHz	39	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R473KDTS	C1005X7R473KDT	1V,1kHz	47	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R563KDTS	C1005X7R563KDT	1V,1kHz	56	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R683KDTS	C1005X7R683KDT	1V,1kHz	68	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R823KDTS	C1005X7R823KDT	1V,1kHz	82	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R104□DTS	C1005X7R104□DT	1V,1kHz	100	nF	±5%,±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R224KDTS	C1005X7R224KDT	1V,1kHz	220	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X7R334KDTS	C1005X7R334KDT	1V,1kHz	330	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X7R474KDTS	C1005X7R474KDT	1V,1kHz	470	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X7R684KDTS	C1005X7R684KDT	1V,1kHz	680	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)*
	C1005X7R105KDTS	C1005X7R105KDT	1V,1kHz	1.0	uF	±10%	0.50	±0.10	±0.10	10.0%		(II)*
6.3V	C1005X7R103KCTS	C1005X7R103KCT	1V,1kHz	10	nF	±10%	0.50	±0.05	±0.05	5.0%	Paper,10Kpcs	(I)
	C1005X7R223KCTS	C1005X7R223KCT	1V,1kHz	22	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R473KCTS	C1005X7R473KCT	1V,1kHz	47	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R683KCTS	C1005X7R683KCT	1V,1kHz	68	nF	±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R104□CTS	C1005X7R104□CT	1V,1kHz	100	nF	±5%,±10%	0.50	±0.05	±0.05	5.0%		(I)
	C1005X7R224KCTS	C1005X7R224KCT	1V,1kHz	220	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X7R334KCTS	C1005X7R334KCT	1V,1kHz	330	nF	±10%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X7R474□CTS	C1005X7R474□CT	1V,1kHz	470	nF	±10%,±20%	0.50	±0.10	±0.10	10.0%		(II)
	C1005X7R105□CTS	C1005X7R105□CT	1V,1kHz	1.0	uF	±10%,±20%	0.50	±0.05	±0.05	12.5%		(II)*

□ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

- C1608X7R Series (EIA0603)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C1608X7R101KGTS	C1608X7R101KGT	1V,1kHz	100	pF	±10%	0.80	±0.10	±0.10	2.5%	Paper,4Kpcs	(I)
	C1608X7R121KGTS	C1608X7R121KGT	1V,1kHz	120	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R151KGTS	C1608X7R151KGT	1V,1kHz	150	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R181KGTS	C1608X7R181KGT	1V,1kHz	180	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R221KGTS	C1608X7R221KGT	1V,1kHz	220	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R271KGTS	C1608X7R271KGT	1V,1kHz	270	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R331KGTS	C1608X7R331KGT	1V,1kHz	330	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R391KGTS	C1608X7R391KGT	1V,1kHz	390	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R471□GTS	C1608X7R471□GT	1V,1kHz	470	pF	±10%,±20%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R561KGTS	C1608X7R561KGT	1V,1kHz	560	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R681KGTS	C1608X7R681KGT	1V,1kHz	680	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R821KGTS	C1608X7R821KGT	1V,1kHz	820	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R102□GTS	C1608X7R102□GT	1V,1kHz	1.0	nF	±5%,±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R122□GTS	C1608X7R122□GT	1V,1kHz	1.2	nF	±5%,±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R152KGTS	C1608X7R152KGT	1V,1kHz	1.5	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R182KGTS	C1608X7R182KGT	1V,1kHz	1.8	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R202KGTS	C1608X7R202KGT	1V,1kHz	2.0	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R222KGTS	C1608X7R222KGT	1V,1kHz	2.2	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R272KGTS	C1608X7R272KGT	1V,1kHz	2.7	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R332KGTS	C1608X7R332KGT	1V,1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R392KGTS	C1608X7R392KGT	1V,1kHz	3.9	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R472□GTS	C1608X7R472□GT	1V,1kHz	4.7	nF	±5%,±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R562KGTS	C1608X7R562KGT	1V,1kHz	5.6	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R682□GTS	C1608X7R682□GT	1V,1kHz	6.8	nF	±5%,±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R822KGTS	C1608X7R822KGT	1V,1kHz	8.2	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R103□GTS	C1608X7R103□GT	1V,1kHz	10	nF	±5%,±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R123KGTS	C1608X7R123KGT	1V,1kHz	12	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R153KGTS	C1608X7R153KGT	1V,1kHz	15	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R183□GTS	C1608X7R183□GT	1V,1kHz	18	nF	±5%,±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R223KGTS	C1608X7R223KGT	1V,1kHz	22	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R273KGTS	C1608X7R273KGT	1V,1kHz	27	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R333KGTS	C1608X7R333KGT	1V,1kHz	33	nF	±10%	0.80	±0.15	±0.15	2.5%		(I)
	C1608X7R393KGTS	C1608X7R393KGT	1V,1kHz	39	nF	±10%	0.80	±0.15	±0.15	2.5%		(I)
	C1608X7R473KGTS	C1608X7R473KGT	1V,1kHz	47	nF	±10%	0.80	±0.15	±0.15	3.0%		(I)
	C1608X7R563KGTS	C1608X7R563KGT	1V,1kHz	56	nF	±10%	0.80	±0.15	±0.15	3.0%		(I)
	C1608X7R683KGTS	C1608X7R683KGT	1V,1kHz	68	nF	±10%	0.80	±0.15	±0.15	3.0%		(I)
	C1608X7R823KGTS	C1608X7R823KGT	1V,1kHz	82	nF	±10%	0.80	±0.15	±0.15	3.0%		(I)
	C1608X7R104□GTS	C1608X7R104□GT	1V,1kHz	100	nF	±5%,±10%,±20%	0.80	±0.15	±0.15	3.0%		(II)
	C1608X7R154KGTS	C1608X7R154KGT	1V,1kHz	150	nF	±10%	0.80	±0.15	±0.15	3.5%		(II)
	C1608X7R224□GTS	C1608X7R224□GT	1V,1kHz	220	nF	±5%,±10%	0.80	±0.15	±0.15	3.5%		(II)
	C1608X7R334KGTS	C1608X7R334KGT	1V,1kHz	330	nF	±10%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X7R474KGTS	C1608X7R474KGT	1V,1kHz	470	nF	±10%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X7R105KGTS	C1608X7R105KGT	1V,1kHz	1.0	uF	±10%	0.80	±0.20	±0.20	10.0%		(II)
35V	C1608X7R474KNTS	C1608X7R474KNT	1V,1kHz	470	nF	±10%	0.80	±0.15	±0.15	10.0%	Paper,4Kpcs	(II)
	C1608X7R105KNTS	C1608X7R105KNT	1V,1kHz	1.0	uF	±10%	0.80	±0.20	±0.20	10.0%		(II)
25V	C1608X7R101KFTS	C1608X7R101KFT	1V,1kHz	100	pF	±10%	0.80	±0.10	±0.10	3.5%	Paper,4Kpcs	(I)
	C1608X7R121KFTS	C1608X7R121KFT	1V,1kHz	120	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R151KFTS	C1608X7R151KFT	1V,1kHz	150	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R181KFTS	C1608X7R181KFT	1V,1kHz	180	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R221KFTS	C1608X7R221KFT	1V,1kHz	220	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R271KFTS	C1608X7R271KFT	1V,1kHz	270	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R331KFTS	C1608X7R331KFT	1V,1kHz	330	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R391KFTS	C1608X7R391KFT	1V,1kHz	390	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R471KFTS	C1608X7R471KFT	1V,1kHz	470	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R561KFTS	C1608X7R561KFT	1V,1kHz	560	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R681KFTS	C1608X7R681KFT	1V,1kHz	680	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R821KFTS	C1608X7R821KFT	1V,1kHz	820	pF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R102KFTS	C1608X7R102KFT	1V,1kHz	1.0	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R122KFTS	C1608X7R122KFT	1V,1kHz	1.2	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R152KFTS	C1608X7R152KFT	1V,1kHz	1.5	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R182KFTS	C1608X7R182KFT	1V,1kHz	1.8	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R222KFTS	C1608X7R222KFT	1V,1kHz	2.2	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R272KFTS	C1608X7R272KFT	1V,1kHz	2.7	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R332KFTS	C1608X7R332KFT	1V,1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R392KFTS	C1608X7R392KFT	1V,1kHz	3.9	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
25V	C1608X7R472KFTS	C1608X7R472KFT	1V,1kHz	4.7	nF	±10%	0.80	±0.10	±0.10	3.5%	Paper,4Kpcs	(I)
	C1608X7R562KFTS	C1608X7R562KFT	1V,1kHz	5.6	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R682KFTS	C1608X7R682KFT	1V,1kHz	6.8	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R822KFTS	C1608X7R822KFT	1V,1kHz	8.2	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R103□FTS	C1608X7R103□FT	1V,1kHz	10	nF	±5%,±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R123KFTS	C1608X7R123KFT	1V,1kHz	12	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R153KFTS	C1608X7R153KFT	1V,1kHz	15	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R183KFTS	C1608X7R183KFT	1V,1kHz	18	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R223□FTS	C1608X7R223□FT	1V,1kHz	22	nF	±5%,±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R273□FTS	C1608X7R273□FT	1V,1kHz	27	nF	±5%,±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R333KFTS	C1608X7R333KFT	1V,1kHz	33	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R393KFTS	C1608X7R393KFT	1V,1kHz	39	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R473KFTS	C1608X7R473KFT	1V,1kHz	47	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R563KFTS	C1608X7R563KFT	1V,1kHz	56	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R683KFTS	C1608X7R683KFT	1V,1kHz	68	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R823KFTS	C1608X7R823KFT	1V,1kHz	82	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R104KFTS	C1608X7R104KFT	1V,1kHz	100	nF	±10%	0.80	±0.10	±0.10	3.5%		(I)
	C1608X7R124KFTS	C1608X7R124KFT	1V,1kHz	120	nF	±10%	0.80	±0.15	±0.15	3.5%		(I)
	C1608X7R154KFTS	C1608X7R154KFT	1V,1kHz	150	nF	±10%	0.80	±0.15	±0.15	3.5%		(I)
	C1608X7R184KFTS	C1608X7R184KFT	1V,1kHz	180	nF	±10%	0.80	±0.15	±0.15	3.5%		(I)
	C1608X7R224□FTS	C1608X7R224□FT	1V,1kHz	220	nF	±10%,±20%	0.80	±0.15	±0.15	3.5%		(I)
	C1608X7R334KFTS	C1608X7R334KFT	1V,1kHz	330	nF	±10%	0.80	±0.15	±0.15	7.0%		(I)
	C1608X7R474□FTS	C1608X7R474□FT	1V,1kHz	470	nF	±10%,±20%	0.80	±0.15	±0.15	10.0%		(I)
	C1608X7R564KFTS	C1608X7R564KFT	1V,1kHz	560	nF	±10%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X7R105KFTS	C1608X7R105KFT	1V,1kHz	1.0	uF	±10%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X7R225KFTS	C1608X7R225KFT	1V,1kHz	2.2	uF	±10%	0.80	±0.20	±0.20	10.0%		(II)*
16V	C1608X7R101KETS	C1608X7R101KET	1V,1kHz	100	pF	±10%	0.80	±0.10	±0.10	5.0%	Paper,4Kpcs	(I)
	C1608X7R121KETS	C1608X7R121KET	1V,1kHz	120	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R151KETS	C1608X7R151KET	1V,1kHz	150	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R181KETS	C1608X7R181KET	1V,1kHz	180	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R221KETS	C1608X7R221KET	1V,1kHz	220	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R271KETS	C1608X7R271KET	1V,1kHz	270	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R331KETS	C1608X7R331KET	1V,1kHz	330	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R391KETS	C1608X7R391KET	1V,1kHz	390	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R471KETS	C1608X7R471KET	1V,1kHz	470	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R561KETS	C1608X7R561KET	1V,1kHz	560	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R681KETS	C1608X7R681KET	1V,1kHz	680	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R821KETS	C1608X7R821KET	1V,1kHz	820	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R102KETS	C1608X7R102KET	1V,1kHz	1.0	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R122KETS	C1608X7R122KET	1V,1kHz	1.2	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R152KETS	C1608X7R152KET	1V,1kHz	1.5	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R182KETS	C1608X7R182KET	1V,1kHz	1.8	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R222KETS	C1608X7R222KET	1V,1kHz	2.2	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R272KETS	C1608X7R272KET	1V,1kHz	2.7	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R332KETS	C1608X7R332KET	1V,1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R392KETS	C1608X7R392KET	1V,1kHz	3.9	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R472KETS	C1608X7R472KET	1V,1kHz	4.7	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R562KETS	C1608X7R562KET	1V,1kHz	5.6	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R682KETS	C1608X7R682KET	1V,1kHz	6.8	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R822KETS	C1608X7R822KET	1V,1kHz	8.2	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R103KETS	C1608X7R103KET	1V,1kHz	10	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R123KETS	C1608X7R123KET	1V,1kHz	12	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R153KETS	C1608X7R153KET	1V,1kHz	15	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R183KETS	C1608X7R183KET	1V,1kHz	18	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R223KETS	C1608X7R223KET	1V,1kHz	22	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R273KETS	C1608X7R273KET	1V,1kHz	27	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R333KETS	C1608X7R333KET	1V,1kHz	33	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R393KETS	C1608X7R393KET	1V,1kHz	39	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R473KETS	C1608X7R473KET	1V,1kHz	47	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R563KETS	C1608X7R563KET	1V,1kHz	56	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R683KETS	C1608X7R683KET	1V,1kHz	68	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R823KETS	C1608X7R823KET	1V,1kHz	82	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R104KETS	C1608X7R104KET	1V,1kHz	100	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R124KETS	C1608X7R124KET	1V,1kHz	120	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R154KETS	C1608X7R154KET	1V,1kHz	150	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R184KETS	C1608X7R184KET	1V,1kHz	180	nF	±10%	0.80	±0.15	±0.15	5.0%		(I)
	C1608X7R224KETS	C1608X7R224KET	1V,1kHz	220	nF	±10%	0.80	±0.15	±0.15	5.0%		(I)

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
16V	C1608X7R334KETS	C1608X7R334KET	1V,1kHz	330	nF	±10%	0.80	±0.15	±0.15	5.0%	Paper,4Kpcs	(I)
	C1608X7R474KETS	C1608X7R474KET	1V,1kHz	470	nF	±10%	0.80	±0.15	±0.15	5.0%		(I)
	C1608X7R684KETS	C1608X7R684KET	1V,1kHz	680	nF	±10%	0.80	±0.15	±0.15	10.0%		(I)
	C1608X7R105□ETS	C1608X7R105□ET	1V,1kHz	1.0	uF	±10%, ±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X7R225□ETS	C1608X7R225□ET	1V,1kHz	2.2	uF	±10%, ±20%	0.80	±0.20	±0.20	10.0%		(II)
10V	C1608X7R101KDTS	C1608X7R101KDT	1V,1kHz	100	pF	±10%	0.80	±0.10	±0.10	5.0%	Paper,4Kpcs	(I)
	C1608X7R121KDTS	C1608X7R121KDT	1V,1kHz	120	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R151KDTS	C1608X7R151KDT	1V,1kHz	150	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R181KDTS	C1608X7R181KDT	1V,1kHz	180	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R221KDTS	C1608X7R221KDT	1V,1kHz	220	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R271KDTS	C1608X7R271KDT	1V,1kHz	270	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R331KDTS	C1608X7R331KDT	1V,1kHz	330	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R391KDTS	C1608X7R391KDT	1V,1kHz	390	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R471KDTS	C1608X7R471KDT	1V,1kHz	470	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R561KDTS	C1608X7R561KDT	1V,1kHz	560	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R681KDTS	C1608X7R681KDT	1V,1kHz	680	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R821KDTS	C1608X7R821KDT	1V,1kHz	820	pF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R102KDTS	C1608X7R102KDT	1V,1kHz	1.0	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R122KDTS	C1608X7R122KDT	1V,1kHz	1.2	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R152KDTS	C1608X7R152KDT	1V,1kHz	1.5	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R182KDTS	C1608X7R182KDT	1V,1kHz	1.8	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R222KDTS	C1608X7R222KDT	1V,1kHz	2.2	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R272KDTS	C1608X7R272KDT	1V,1kHz	2.7	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R332KDTS	C1608X7R332KDT	1V,1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R392KDTS	C1608X7R392KDT	1V,1kHz	3.9	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R472KDTS	C1608X7R472KDT	1V,1kHz	4.7	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R562KDTS	C1608X7R562KDT	1V,1kHz	5.6	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R682KDTS	C1608X7R682KDT	1V,1kHz	6.8	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R822KDTS	C1608X7R822KDT	1V,1kHz	8.2	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R103KDTS	C1608X7R103KDT	1V,1kHz	10	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R123KDTS	C1608X7R123KDT	1V,1kHz	12	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R153KDTS	C1608X7R153KDT	1V,1kHz	15	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R183KDTS	C1608X7R183KDT	1V,1kHz	18	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R223KDTS	C1608X7R223KDT	1V,1kHz	22	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R273KDTS	C1608X7R273KDT	1V,1kHz	27	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R333KDTS	C1608X7R333KDT	1V,1kHz	33	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R393KDTS	C1608X7R393KDT	1V,1kHz	39	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R473KDTS	C1608X7R473KDT	1V,1kHz	47	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R563KDTS	C1608X7R563KDT	1V,1kHz	56	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R683KDTS	C1608X7R683KDT	1V,1kHz	68	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R823KDTS	C1608X7R823KDT	1V,1kHz	82	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R104KDTS	C1608X7R104KDT	1V,1kHz	100	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R124KDTS	C1608X7R124KDT	1V,1kHz	120	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R154KDTS	C1608X7R154KDT	1V,1kHz	150	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R224KDTS	C1608X7R224KDT	1V,1kHz	220	nF	±10%	0.80	±0.15	±0.15	5.0%		(I)
	C1608X7R334KDTS	C1608X7R334KDT	1V,1kHz	330	nF	±10%	0.80	±0.15	±0.15	10.0%		(I)
	C1608X7R474KDTS	C1608X7R474KDT	1V,1kHz	470	nF	±10%	0.80	±0.15	±0.15	10.0%		(I)
	C1608X7R684KDTS	C1608X7R684KDT	1V,1kHz	680	nF	±10%	0.80	±0.15	±0.15	10.0%		(I)
	C1608X7R105□DTS	C1608X7R105□DT	1V,1kHz	1.0	uF	±10%, ±20%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X7R225KDTS	C1608X7R225KDT	1V,1kHz	2.2	uF	±10%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X7R475KDTS	C1608X7R475KDT	1V,1kHz	4.7	uF	±10%	0.80	±0.20	±0.20	10.0%		(II)*
6.3V	C1608X7R223KCTS	C1608X7R223KCT	1V,1kHz	22	nF	±10%	0.80	±0.10	±0.10	5.0%	Paper,4Kpcs	(I)
	C1608X7R104KCTS	C1608X7R104KCT	1V,1kHz	100	nF	±10%	0.80	±0.10	±0.10	5.0%		(I)
	C1608X7R474KCTS	C1608X7R474KCT	1V,1kHz	470	nF	±10%	0.80	±0.15	±0.15	10.0%		(I)
	C1608X7R105KCTS	C1608X7R105KCT	1V,1kHz	1.0	uF	±10%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X7R225KCTS	C1608X7R225KCT	1V,1kHz	2.2	uF	±10%	0.80	±0.15	±0.15	10.0%		(II)
	C1608X7R475KCTS	C1608X7R475KCT	1V,1kHz	4.7	uF	±10%	0.80	±0.20	±0.20	10.0%		(II)

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C2012X7R Series (EIA0805)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C2012X7R101KGTS	C2012X7R101KGT	1V,1kHz	100	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C2012X7R151KGTS	C2012X7R151KGT	1V,1kHz	150	pF	±10%	0.85	±0.15	±0.15	2.5%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
	C2012X7R181KGTS	C2012X7R181KGT	1V,1kHz	180	pF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R221KGTS	C2012X7R221KGT	1V,1kHz	220	pF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R271KGTS	C2012X7R271KGT	1V,1kHz	270	pF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R331KGTS	C2012X7R331KGT	1V,1kHz	330	pF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R391KGTS	C2012X7R391KGT	1V,1kHz	390	pF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R471KGTS	C2012X7R471KGT	1V,1kHz	470	pF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R561KGTS	C2012X7R561KGT	1V,1kHz	560	pF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R681KGTS	C2012X7R681KGT	1V,1kHz	680	pF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R821KGTS	C2012X7R821KGT	1V,1kHz	820	pF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R102□GTS	C2012X7R102□GT	1V,1kHz	1.0	nF	±5%,±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C2012X7R122KGTS	C2012X7R122KGT	1V,1kHz	1.2	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R152KGTS	C2012X7R152KGT	1V,1kHz	1.5	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R182KGTS	C2012X7R182KGT	1V,1kHz	1.8	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R222KGTS	C2012X7R222KGT	1V,1kHz	2.2	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R272KGTS	C2012X7R272KGT	1V,1kHz	2.7	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R332KGTS	C2012X7R332KGT	1V,1kHz	3.3	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R392KGTS	C2012X7R392KGT	1V,1kHz	3.9	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R472KGTS	C2012X7R472KGT	1V,1kHz	4.7	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R562KGTS	C2012X7R562KGT	1V,1kHz	5.6	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R682KGTS	C2012X7R682KGT	1V,1kHz	6.8	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R682KGPSG		1V,1kHz	6.8	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C2012X7R822KGTS	C2012X7R822KGT	1V,1kHz	8.2	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C2012X7R103□GTS	C2012X7R103□GT	1V,1kHz	10	nF	±5%,±10%	0.85	±0.15	±0.15	2.5%		(I)
50V	C2012X7R123KGTS	C2012X7R123KGT	1V,1kHz	12	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R153KGTS	C2012X7R153KGT	1V,1kHz	15	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R183KGTS	C2012X7R183KGT	1V,1kHz	18	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R223□GTS	C2012X7R223□GT	1V,1kHz	22	nF	±5%,±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R273KGTS	C2012X7R273KGT	1V,1kHz	27	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R333KGTS	C2012X7R333KGT	1V,1kHz	33	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C2012X7R393KGTS	C2012X7R393KGT	1V,1kHz	39	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R473KGTS	C2012X7R473KGT	1V,1kHz	47	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R563KGTS	C2012X7R563KGT	1V,1kHz	56	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R683KGTS	C2012X7R683KGT	1V,1kHz	68	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R823KGTS	C2012X7R823KGT	1V,1kHz	82	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R104□GTSD		1V,1kHz	100	nF	±5%,±10%,±20%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R104KGTS	C2012X7R104KGT	1V,1kHz	100	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R124KGTS	C2012X7R124KGT	1V,1kHz	120	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C2012X7R154KGTS	C2012X7R154KGT	1V,1kHz	150	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C2012X7R184KGTS	C2012X7R184KGT	1V,1kHz	180	nF	±10%	0.85	±0.15	±0.15	3.0%		(I)
	C2012X7R184KGPSG		1V,1kHz	180	nF	±10%	1.25	±0.15	±0.20	3.0%	Embossed,3Kpcs	(I)
	C2012X7R224KGTS	C2012X7R224KGT	1V,1kHz	220	nF	±10%	0.85	±0.15	±0.15	3.0%	Paper,4Kpcs	(I)
	C2012X7R224KGPS	C2012X7R224KGP	1V,1kHz	220	nF	±10%	1.25	±0.15	±0.20	3.0%		(I)
	C2012X7R334KGPS	C2012X7R334KGP	1V,1kHz	330	nF	±10%	1.25	±0.15	±0.20	3.0%		(I)
	C2012X7R474KGPS	C2012X7R474KGP	1V,1kHz	470	nF	±10%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C2012X7R684KGPS	C2012X7R684KGP	1V,1kHz	680	nF	±10%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R105□GPSG	C2012X7R105□GP	1V,1kHz	1.0	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R225KGPSG	C2012X7R225KGP	1V,1kHz	2.2	uF	±10%	1.25	±0.20	±0.20	10.0%		(II)
35V	C2012X7R474KNPS	C2012X7R474KNP	1V,1kHz	470	nF	±10%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C2012X7R102KFTS	C2012X7R102KFT	1V,1kHz	1.0	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R122KFTS	C2012X7R122KFT	1V,1kHz	1.2	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R152KFTS	C2012X7R152KFT	1V,1kHz	1.5	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R182KFTS	C2012X7R182KFT	1V,1kHz	1.8	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R222KFTS	C2012X7R222KFT	1V,1kHz	2.2	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R272KFTS	C2012X7R272KFT	1V,1kHz	2.7	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R332KFTS	C2012X7R332KFT	1V,1kHz	3.3	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R392KFTS	C2012X7R392KFT	1V,1kHz	3.9	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R472KFTS	C2012X7R472KFT	1V,1kHz	4.7	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
25V	C2012X7R562KFTS	C2012X7R562KFT	1V,1kHz	5.6	nF	±10%	0.85	±0.15	±0.15	3.5%	Paper,4Kpcs	(I)
	C2012X7R682KFTS	C2012X7R682KFT	1V,1kHz	6.8	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R103KFTS	C2012X7R103KFT	1V,1kHz	10	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R123KFTS	C2012X7R123KFT	1V,1kHz	12	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R153KFTS	C2012X7R153KFT	1V,1kHz	15	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R183KFTS	C2012X7R183KFT	1V,1kHz	18	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R223KFTS	C2012X7R223KFT	1V,1kHz	22	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R273KFTS	C2012X7R273KFT	1V,1kHz	27	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R333KFTS	C2012X7R333KFT	1V,1kHz	33	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
25V	C2012X7R393KFTS	C2012X7R393KFT	1V,1kHz	39	nF	±10%	0.85	±0.15	±0.15	3.5%	Paper,4Kpcs	(I)
	C2012X7R473KFTS	C2012X7R473KFT	1V,1kHz	47	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R563KFTS	C2012X7R563KFT	1V,1kHz	56	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R683KFTS	C2012X7R683KFT	1V,1kHz	68	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R823KFTS	C2012X7R823KFT	1V,1kHz	82	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R104□FTS	C2012X7R104□FT	1V,1kHz	100	nF	±5%,±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R124KFTS	C2012X7R124KFT	1V,1kHz	120	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R154KFTS	C2012X7R154KFT	1V,1kHz	150	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R184KFTS	C2012X7R184KFT	1V,1kHz	180	nF	±10%	0.85	±0.15	±0.20	3.5%		(I)
	C2012X7R224KFTS	C2012X7R224KFT	1V,1kHz	220	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R224KFPS	C2012X7R224KFP	1V,1kHz	220	nF	±10%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C2012X7R334KFPS	C2012X7R334KFP	1V,1kHz	330	nF	±10%	1.25	±0.15	±0.20	5.0%		(I)
	C2012X7R474KFPS	C2012X7R474KFP	1V,1kHz	470	nF	±10%	1.25	±0.15/±0.20	±0.20	5.0%		(I)
	C2012X7R684KFPS	C2012X7R684KFP	1V,1kHz	680	nF	±10%	1.25	±0.15/±0.20	±0.20	5.0%		(I)
	C2012X7R105□FPS	C2012X7R105□FP	1V,1kHz	1.0	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R225KFPS	C2012X7R225KFP	1V,1kHz	2.2	uF	±10%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R335KFPS	C2012X7R335KFP	1V,1kHz	3.3	uF	±10%	1.25	±0.15/±0.20	±0.20	12.5%		(II)*
	C2012X7R475KFPS	C2012X7R475KFP	1V,1kHz	4.7	uF	±10%	1.25	±0.15/±0.20	±0.20	12.5%		(II)*
16V	C2012X7R123KETS	C2012X7R123KET	1V,1kHz	12	nF	±10%	0.85	±0.15	±0.15	3.5%	Paper,4Kpcs	(I)
	C2012X7R104KETS	C2012X7R104KET	1V,1kHz	100	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R224KETS	C2012X7R224KET	1V,1kHz	220	nF	±10%	0.85	±0.15	±0.15	3.5%		(I)
	C2012X7R224KEPS	C2012X7R224KEP	1V,1kHz	220	nF	±10%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C2012X7R334KEPS	C2012X7R334KEP	1V,1kHz	330	nF	±10%	1.25	±0.15	±0.20	5.0%		(I)
	C2012X7R474KEPS	C2012X7R474KEP	1V,1kHz	470	nF	±10%	1.25	±0.15/±0.20	±0.20	5.0%		(I)
	C2012X7R684KEPS	C2012X7R684KEP	1V,1kHz	680	nF	±10%	1.25	±0.15/±0.20	±0.20	5.0%		(I)
	C2012X7R105□EPS	C2012X7R105□EP	1V,1kHz	1.0	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	5.0%		(I)
	C2012X7R225□EPS	C2012X7R225□EP	1V,1kHz	2.2	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	10.0%		(I)
	C2012X7R335KEPS	C2012X7R335KEP	1V,1kHz	3.3	uF	±10%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R475□EPS	C2012X7R475□EP	1V,1kHz	4.7	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R106□EPS	C2012X7R106□EP	1V,1kHz	10	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	10.0%		(II)*
10V	C2012X7R105□DPS	C2012X7R105□DP	1V,1kHz	1.0	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	5.0%	Embossed,3Kpcs	(I)
	C2012X7R225□DPS	C2012X7R225□DP	1V,1kHz	2.2	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R335KDPS	C2012X7R335KDP	1V,1kHz	3.3	uF	±10%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R475KDPS	C2012X7R475KDP	1V,1kHz	4.7	uF	±10%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R106KDPS	C2012X7R106KDP	1V,1kHz	10	uF	±10%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R226MDPS	C2012X7R226MDP	0.5V,120Hz	22	uF	±10%	1.25	±0.20	±0.20	10.0%		(II)*
6.3V	C2012X7R335KCPS	C2012X7R335KCP	1V,1kHz	3.3	uF	±10%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
	C2012X7R475KCPS	C2012X7R475KCP	1V,1kHz	4.7	uF	±10%	1.25	±0.15/±0.20	±0.20	10.0%		(II)
	C2012X7R106□CPS	C2012X7R106□CP	1V,1kHz	10	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	15.0%		(II)
4V	C2012X7R106□BPS	C2012X7R106□BP	1V,1kHz	10	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	15.0%	Embossed,3Kpcs	(II)

□ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C3216X7R Series (EIA1206)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C3216X7R221KGTS	C3216X7R221KGT	1V,1kHz	220	pF	±10%	0.85	±0.15	±0.10	3.5%	Paper,4Kpcs	(I)
	C3216X7R102KGTS	C3216X7R102KGT	1V ,1kHz	1.0	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R182KGTS	C3216X7R182KGT	1V ,1kHz	1.8	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R222KGTS	C3216X7R222KGT	1V ,1kHz	2.2	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R472KGTS	C3216X7R472KGT	1V ,1kHz	4.7	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R562□GTS	C3216X7R562□GT	1V ,1kHz	5.6	nF	±5%,±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R103□GTS	C3216X7R103□GT	1V ,1kHz	10	nF	±10%,±20%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R123KGTS	C3216X7R123KGT	1V ,1kHz	12	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R153KGTS	C3216X7R153KGT	1V ,1kHz	15	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R183KGTS	C3216X7R183KGT	1V ,1kHz	18	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R223KGTS	C3216X7R223KGT	1V ,1kHz	22	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R273KGTS	C3216X7R273KGT	1V ,1kHz	27	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R333KGTS	C3216X7R333KGT	1V ,1kHz	33	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R393KGTS	C3216X7R393KGT	1V ,1kHz	39	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R473KGTS	C3216X7R473KGT	1V ,1kHz	47	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R563KGTS	C3216X7R563KGT	1V ,1kHz	56	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R683KGTS	C3216X7R683KGT	1V ,1kHz	68	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R823KGTS	C3216X7R823KGT	1V ,1kHz	82	nF	±10%	0.85	±0.15	±0.10	3.5%		(I)
	C3216X7R104□GTS	C3216X7R104□GT	1V ,1kHz	100	nF	±5%,±10%	0.85	±0.15	±0.10	3.5%		(I)

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
	C3216X7R224KGPS	C3216X7R224KGP	1V ,1kHz	220	nF	±10%	0.95	±0.15	±0.10	3.5%		(I)
	C3216X7R224KGPSF		1V ,1kHz	220	nF	±10%	1.15	±0.20	±0.10	3.5%		(I)
	C3216X7R224KGPSG		1V ,1kHz	220	nF	±10%	1.25	±0.15	±0.15	3.5%	Embossed,3Kpcs	(I)
	C3216X7R334☐GPS	C3216X7R334☐GP	1V ,1kHz	330	nF	±5%,±10%	1.25	±0.15	±0.15	3.5%		(I)
	C3216X7R474KGPSG		1V ,1kHz	470	nF	±10%	1.25	±0.15	±0.15	3.5%		(I)
	C3216X7R474KGPS	C3216X7R474KGP	1V ,1kHz	470	nF	±10%	1.60	±0.15	±0.20	3.5%	Embossed,2Kpcs	(I)
	C3216X7R684KGPS	C3216X7R684KGP	1V ,1kHz	680	nF	±10%	1.60	+0.3/-0.1	+0.3/-0.1	3.5%		(I)
	C3216X7R105KGPSG		1V ,1kHz	1.0	uF	±10%	1.25	±0.15	±0.15	3.5%	Embossed,3Kpcs	(I)
	C3216X7R105KGPS	C3216X7R105KGP	1V ,1kHz	1.0	uF	±10%	1.60	±0.30	±0.30	3.5%		(I)
	C3216X7R225KGPSL	C3216X7R225KGP	1V ,1kHz	2.2	uF	±10%	1.60	±0.20	±0.20	10.0%	Embossed,2Kpcs	(II)
	C3216X7R475KGPS	C3216X7R475KGP	1V ,1kHz	4.7	uF	±10%	1.60	±0.30	±0.30	10.0%		(II)
	C3216X7R106KGPSL	C3216X7R106KGP	1V ,1kHz	10	uF	±10%	1.60	±0.20	±0.20	10.0%		(II)
35V	C3216X7R106KNPSL	C3216X7R106KNP	1V ,1kHz	10	uF	±10%	1.60	±0.20	±0.20	10.0%	Embossed,2Kpcs	(II)
	C3216X7R224KFPS	C3216X7R224KFP	1V ,1kHz	220	nF	±10%	0.95	±0.15	±0.10	3.5%		(I)
	C3216X7R224KFPSG		1V ,1kHz	220	nF	±10%	1.25	±0.15	±0.20	3.5%		(I)
	C3216X7R334KFPS	C3216X7R334KFP	1V ,1kHz	330	nF	±10%	0.95	±0.15	±0.10	3.5%	Embossed,3Kpcs	(I)
	C3216X7R334KFPSG		1V ,1kHz	330	nF	±10%	1.25	±0.15	±0.20	3.5%		(I)
	C3216X7R474KFPS	C3216X7R474KFP	1V ,1kHz	470	nF	±10%	1.25	±0.15	±0.20	3.5%		(I)
25V	C3216X7R474KFPSL		1V ,1kHz	470	nF	±10%	1.60	±0.30	±0.30	3.5%	Embossed,2Kpcs	(I)
	C3216X7R105☐FPSG		1V ,1kHz	1.0	uF	±10%,±20%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C3216X7R105KFPS	C3216X7R105KFP	1V ,1kHz	1.0	uF	±10%	1.60	±0.30	±0.30	3.5%	Embossed,2Kpcs	(I)
	C3216X7R225KFPS	C3216X7R225KFP	1V ,1kHz	2.2	uF	±10%	1.60	±0.30	±0.30	5.0%		(I)
	C3216X7R475KFPS	C3216X7R475KFP	1V ,1kHz	4.7	uF	±10%	1.60	±0.30	±0.30	10.0%	Embossed,2Kpcs	(II)
	C3216X7R106KFPS	C3216X7R106KFP	1V ,1kHz	10	uF	±10%	1.60	±0.30	±0.30	10.0%		(II)*
	C3216X7R104KETS	C3216X7R104KET	1V ,1kHz	100	nF	±10%	0.85	±0.15	±0.10	3.5%	Paper,4Kpcs	(I)
	C3216X7R474KEPS	C3216X7R474KEP	1V ,1kHz	470	nF	±10%	1.25	±0.15	±0.20	5.0%	Embossed,3Kpcs	(I)
	C3216X7R474KEPSL		1V ,1kHz	470	nF	±10%	1.60	±0.30	±0.30	5.0%	Embossed,2Kpcs	(I)
16V	C3216X7R105KEPSL		1V ,1kHz	1.0	uF	±10%	1.60	±0.30	±0.30	5.0%		(I)
	C3216X7R225KEPS	C3216X7R225KEP	1V ,1kHz	2.2	uF	±10%	1.60	±0.30	±0.30	10.0%	Embossed,2Kpcs	(I)
	C3216X7R475☐EPS	C3216X7R475☐EP	1V ,1kHz	4.7	uF	±10%,±20%	1.60	±0.30	±0.30	10.0%		(II)
	C3216X7R106☐EPS	C3216X7R106☐EP	1V ,1kHz	10	uF	±10%,±20%	1.60	±0.30	±0.30	10.0%		(II)*
	C3216X7R225KDPS	C3216X7R225KDP	1V ,1kHz	2.2	uF	±10%	1.60	±0.30	±0.30	10.0%		(I)
10V	C3216X7R475☐DPS	C3216X7R475☐DP	1V ,1kHz	4.7	uF	±10%,±20%	1.60	±0.30	±0.30	10.0%	Embossed,2Kpcs	(II)
	C3216X7R106☐DPS	C3216X7R106☐DP	1V ,1kHz	10	uF	±10%,±20%	1.60	±0.30	±0.30	10.0%		(II)
	C3216X7R226☐DPS	C3216X7R226☐DP	0.5V ,120Hz	22	uF	±10%,±20%	1.60	±0.30	±0.30	10.0%		(II)*
6.3V	C3216X7R106KCPS	C3216X7R106KCP	1V ,1kHz	10	uF	±10%	1.60	±0.30	±0.30	10.0%	Embossed,2Kpcs	(II)
	C3216X7R226KCPS	C3216X7R226KCP	0.5V ,120Hz	22	uF	±10%	1.60	±0.30	±0.30	10.0%		(II)

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C3225X7R Series (EIA1210)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
	C3225X7R225MGPS	C3225X7R225MGP	1V,1kHz	2.2	uF	±20%	2.50	±0.3/±0.2	±0.20	5.0%	Embossed,1Kpcs	(II)
50V	C3225X7R475KGWS	C3225X7R475KGW	1V,1kHz	4.7	uF	±10%	2.50	±0.3/±0.3	±0.30	10.0%	Embossed,0.5Kpcs	(II)
	C3225X7R106KGWS	C3225X7R106KGW	1V,1kHz	10	uF	±10%	2.00	±0.3/±0.2	±0.20	15.0%	Embossed,1Kpcs	(II)
	C3225X7R106☐GPS	C3225X7R106☐GP	1V,1kHz	10	uF	±10%,±20%	2.50	±0.30	±0.30	10.0%		(II)
35V	C3225X7R106KNPS	C3225X7R106KNP	1V,1kHz	10	uF	±10%	2.50	±0.30	±0.30	10.0%	Embossed,1Kpcs	(II)
	C3225X7R475KFPS	C3225X7R475KFP	1V,1kHz	4.7	uF	±10%	2.00	±0.3/±0.2	±0.20	10.0%	Embossed,2Kpcs	(I)
25V	C3225X7R475KFPSP		1V,1kHz	4.7	uF	±10%	2.50	±0.30	±0.30	10.0%	Embossed,1Kpcs	(I)
	C3225X7R106KFPS	C3225X7R106KFP	1V,1kHz	10	uF	±10%	2.00	±0.3/±0.2	±0.30	10.0%	Embossed,2Kpcs	(II)
	C3225X7R226☐FPS	C3225X7R226☐FP	0.5V,120Hz	22	uF	±10%,±20%	2.50	±0.3/±0.2	±0.20	10.0%	Embossed,1Kpcs	(II)
	C3225X7R475KEPS	C3225X7R475KEP	1V,1kHz	4.7	uF	±10%	2.50	±0.3/±0.2	±0.20	5.0%	Embossed,1Kpcs	(II)
16V	C3225X7R106KEPS	C3225X7R106KEP	1V,1kHz	10	uF	±10%	2.00	±0.3/±0.2	±0.20	10.0%	Embossed,2Kpcs	(I)
	C3225X7R226☐EPS	C3225X7R226☐EP	0.5V,120Hz	22	uF	±10%,±20%	2.50	±0.3/±0.2	±0.30	10.0%	Embossed,1Kpcs	(II)
	C3225X7R226KDPS	C3225X7R226KDP	0.5V,120Hz	22	uF	±10%	2.50	±0.3/±0.2	±0.20	10.0%	Embossed,1Kpcs	(II)
10V	C3225X7R476☐DPS	C3225X7R476☐DP	0.5V,120Hz	47	uF	±10%,±20%	2.50	±0.3/±0.2	±0.20	10.0%		(II)

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

■ X7S Series

● C0603X7S Series (EIA0201)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
16V	C0603X7S104☐ETS	C0603X7S104☐ET	1V ,1kHz	100	nF	±10%,±20%	0.30	± 0.05	±0.05	10.0%	Paper,15Kpcs	(II)*
10V	C0603X7S104KDTS	C0603X7S104KDT	1V ,1kHz	100	nF	±10%	0.30	± 0.05	±0.05	10.0%	Paper,15Kpcs	(II)
6.3V	C0603X7S104KCTS	C0603X7S104KCT	1V ,1kHz	100	nF	±10%	0.30	± 0.05	±0.05	10.0%	Paper,15Kpcs	(II)
	C0603X7S224KCTS	C0603X7S224KCT	1V ,1kHz	220	nF	±10%	0.30	± 0.05	±0.05	12.5%	Paper,15Kpcs	(II)*

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C1005X7S Series (EIA0402)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
10V	C1005X7S105KDTS	C1005X7S105KDT	1V ,1kHz	1.0	uF	±10%	0.50	± 0.10	±0.10	10.0%	Paper,10Kpcs	(II)*
	C1005X7S225KDTS	C1005X7S225KDT	1V ,1kHz	2.2	uF	±10%	0.50	± 0.20	±0.20	10.0%		(II)*
6.3V	C1005X7S225KCTS	C1005X7S225KCT	1V ,1kHz	2.2	uF	±10%	0.50	± 0.20	±0.20	10.0%	Paper,10Kpcs	(II)

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C1608X7S Series (EIA0603)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
25V	C1608X7S225KFTS	C1608X7S225KFT	1V,1kHz	2.2	uF	±10%	0.80	±0.20	±0.20	10.0%	Paper,4Kpcs	(II)*
16V	C1608X7S225KETS	C1608X7S225KET	1V,1kHz	2.2	uF	±10%	0.80	± 0.20	±0.20	10.0%	Paper,4Kpcs	(II)
	C1608X7S475KETS	C1608X7S475KET	1V,1kHz	4.7	uF	±10%	0.80	± 0.20	±0.20	10.0%		(II)
10V	C1608X7S225KDTS	C1608X7S225KDT	1V,1kHz	2.2	uF	±10%	0.80	±0.20	±0.20	10.0%	Paper,4Kpcs	(II)
	C1608X7S475KDTS	C1608X7S475KDT	1V,1kHz	4.7	uF	±10%	0.80	±0.20	±0.20	10.0%		(II)
6.3V	C1608X7S475KCTS	C1608X7S475KCT	1V,1kHz	4.7	uF	±10%	0.80	±0.20	±0.20	10.0%	Paper,4Kpcs	(II)

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C2012X7S Series (EIA0805)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
50V	C2012X7S475KGPS	C2012X7S475KGP	1V,1kHz	4.7	uF	±10%	1.25	± 0.20	±0.20	10.0%	Embossed,3Kpcs	(II)
25V	C2012X7S225KFPS	C2012X7S225KFP	1V,1kHz	2.2	uF	±10%	1.25	± 0.15	±0.15	10.0%	Embossed,3Kpcs	(II)
	C2012X7S475KFPS	C2012X7S475KFP	1V,1kHz	4.7	uF	±10%	1.25	±0.15/±0.20	±0.20	12.5%		(II)*
	C2012X7S106☐FPS	C2012X7S106☐FP	1V,1kHz	10	uF	±10%,±20%	1.25	± 0.20	±0.20	10.0%		(II)*
16V	C2012X7S106KEPS	C2012X7S106KEP	1V,1kHz	10	uF	±10%,±20%	1.25	±0.15/±0.20	±0.20	10.0%	Embossed,3Kpcs	(II)*

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C3225X7S Series (EIA1210)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
6.3V	C3225X7S107MCPS	C3225X7S107MCP	0.5V,120Hz	100	uF	±20%	2.50	± 0.30	±0.30	10.0%	Embossed,1Kpcs	(II)*

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

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■ X7T Series

● C1608X7T Series (EIA0603)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
10V	C1608X7T225MDTS	C1608X7T225MDT	1V,1kHz	2.2	uF	±20%	0.80	±0.20	±0.20	10.0%	Paper,4Kpcs	(II)
6.3V	C1608X7T106MCTS	C1608X7T106MCT	1V,1kHz	10	uF	±20%	0.80	± 0.20	±0.20	10.0%	Paper,4Kpcs	(II)

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

● C2012X7T Series (EIA0805)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
10V	C2012X7T226MDPS	C2012X7T226MDP	0.5V,120Hz	22	uF	±20%	1.25	± 0.20	±0.20	10.0%	Embossed,3Kpcs	(II)*
6.3V	C2012X7T226MCPS	C2012X7T226MCP	0.5V,120Hz	22	uF	±20%	1.25	± 0.20	±0.20	10.0%	Embossed,3Kpcs	(II)

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

■ X7U Series

▪ C3216X7U Series (EIA1206)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
6.3V	C3216X7U476MCPS	C3216X7U476MCP	0.5V,120Hz	47	uF	±20%	1.60	± 0.30	±0.30	15.0%	Embossed,2Kpcs	(II)*
4V	C3216X7U107MBPS	C3216X7U107MBP	0.5V,120Hz	100	uF	±20%	1.60	± 0.30	±0.30	15.0%	Embossed,2Kpcs	(II)*

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

Super Small Size (EIA 01005)

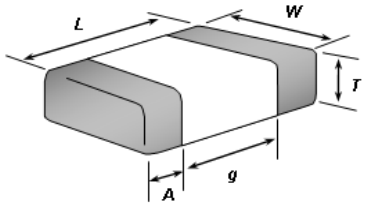
■ Feature

1. Small chip size (LxWxT: 0.4x0.2x0.2mm)
2. No polarity
3. Suited to only reflow soldering
4. RoHS compliant
5. Halogen Free

■ Application

1. Microwave module
2. Potable equipment

■ Standard External Dimensions



TYPE	Dimension (mm)				
(EIA Size)	L (Length)	W (Width)	T (Max.)	g (Min)	A (Min/Max)
C0402 (01005)	0.4±0.02	0.2±0.02	0.22	0.13	0.07/0.14

■ Part Number & Characteristic

- C0402NP0_S Series (EIA01005)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
25V	C0402NP0150JFTS	C0402NP0150JFT	1V,1MHz	15	pF	±5%	0.20	±0.02	±0.02	0.14%	Paper,20Kpcs	(I)
16V	C0402NP0508☐ETS	C0402NP0508☐ET	1V,1MHz	0.5	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.24%	Paper,20Kpcs (W8P2)	(I)
	C0402NP0608☐ETS	C0402NP0608☐ET	1V,1MHz	0.6	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.24%		(I)
	C0402NP0708☐ETS	C0402NP0708☐ET	1V,1MHz	0.7	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.24%		(I)
	C0402NP0808☐ETS	C0402NP0808☐ET	1V,1MHz	0.8	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.24%		(I)
	C0402NP0908☐ETS	C0402NP0908☐ET	1V,1MHz	0.9	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.24%		(I)
	C0402NP0109☐ETS	C0402NP0109☐ET	1V,1MHz	1.0	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.24%		(I)
	C0402NP0119☐ETS	C0402NP0119☐ET	1V,1MHz	1.1	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.24%		(I)
	C0402NP0129☐ETS	C0402NP0129☐ET	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.24%		(I)
	C0402NP0139☐ETS	C0402NP0139☐ET	1V,1MHz	1.3	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.23%		(I)
	C0402NP0159☐ETS	C0402NP0159☐ET	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.23%		(I)
	C0402NP0169☐ETS	C0402NP0169☐ET	1V,1MHz	1.6	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.23%		(I)
	C0402NP0189☐ETS	C0402NP0189☐ET	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.23%		(I)
	C0402NP0209☐ETS	C0402NP0209☐ET	1V,1MHz	2.0	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.23%		(I)
	C0402NP0229☐ETS	C0402NP0229☐ET	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.23%		(I)
	C0402NP0249☐ETS	C0402NP0249☐ET	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.22%		(I)
	C0402NP0259☐ETS	C0402NP0259☐ET	1V,1MHz	2.5	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.22%		(I)
	C0402NP0279☐ETS	C0402NP0279☐ET	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.22%		(I)
	C0402NP0309☐ETS	C0402NP0309☐ET	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.22%		(I)
	C0402NP0339☐ETS	C0402NP0339☐ET	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.21%		(I)
	C0402NP0369☐ETS	C0402NP0369☐ET	1V,1MHz	3.6	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.21%		(I)
	C0402NP0399☐ETS	C0402NP0399☐ET	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.21%		(I)
	C0402NP0479☐ETS	C0402NP0479☐ET	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.20%		(I)
	C0402NP0569☐ETS	C0402NP0569☐ET	1V,1MHz	5.6	pF	±0.5pF,±0.25pF	0.20	±0.02	±0.02	0.20%		(I)
	C0402NP0609☐ETS	C0402NP0609☐ET	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	0.19%		(I)
	C0402NP0629☐ETS	C0402NP0629☐ET	1V,1MHz	6.2	pF	±0.5pF,±0.25pF	0.20	±0.02	±0.02	0.19%		(I)
	C0402NP0689☐ETS	C0402NP0689☐ET	1V,1MHz	6.8	pF	±0.5pF,±0.25pF	0.20	±0.02	±0.02	0.19%		(I)
	C0402NP0709☐ETS	C0402NP0709☐ET	1V,1MHz	7.0	pF	±0.5pF,±0.25pF	0.20	±0.02	±0.02	0.19%		(I)
	C0402NP0759☐ETS	C0402NP0759☐ET	1V,1MHz	7.5	pF	±0.5pF,±0.25pF	0.20	±0.02	±0.02	0.18%		(I)
	C0402NP0829☐ETS	C0402NP0829☐ET	1V,1MHz	8.2	pF	±0.5pF,±0.25pF	0.20	±0.02	±0.02	0.18%		(I)
	C0402NP0919☐ETS	C0402NP0919☐ET	1V,1MHz	9.1	pF	±0.5pF,±0.25pF	0.20	±0.02	±0.02	0.17%		(I)
	C0402NP0100JETS	C0402NP0100JET	1V,1MHz	10	pF	±5%	0.20	±0.02	±0.02	0.17%		(I)
	C0402NP0150☐ETS	C0402NP0150☐ET	1V,1MHz	15	pF	±5%,±2%	0.20	±0.02	±0.02	0.14%		(I)
	C0402NP0180JETS	C0402NP0180JET	1V,1MHz	18	pF	±5%	0.20	±0.02	±0.02	0.13%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
16V	C0402NP0220JETS	C0402NP0220JET	1V,1MHz	22	pF	±5%	0.20	±0.02	±0.02	0.12%	Paper,20Kpcs (W8P2)	(I)
	C0402NP0270JETS	C0402NP0270JET	1V,1MHz	27	pF	±5%	0.20	±0.02	±0.02	0.11%		(I)
	C0402NP0330JETS	C0402NP0330JET	1V,1MHz	33	pF	±5%	0.20	±0.02	±0.02	0.10%		(I)
	C0402NP0390☐ETS	C0402NP0390☐ET	1V,1MHz	39	pF	±5%,±2%	0.20	±0.02	±0.02	0.10%		(I)
	C0402NP0470JETS	C0402NP0470JET	1V,1MHz	47	pF	±5%	0.20	±0.02	±0.02	0.10%		(I)
	C0402NP0560JETS	C0402NP0560JET	1V,1MHz	56	pF	±5%	0.20	±0.02	±0.02	0.10%		(I)
	C0402NP0680JETS	C0402NP0680JET	1V,1MHz	68	pF	±5%	0.20	±0.02	±0.02	0.10%		(I)
	C0402NP0820JETS	C0402NP0820JET	1V,1MHz	82	pF	±5%	0.20	±0.02	±0.02	0.10%		(I)
	C0402NP0101JETS	C0402NP0101JET	1V,1MHz	100	pF	±5%	0.20	±0.02	±0.02	0.10%		(I)
10V	C0402NP0560JDTS	C0402NP0560JDT	1V,1MHz	56	pF	±5%	0.20	±0.02	±0.02	0.10%	Paper,20Kpcs	(I)
	C0402NP0820JDTS	C0402NP0820JDT	1V,1MHz	82	pF	±5%	0.20	±0.02	±0.02	0.10%		(I)
6.3V	C0402NP0101JCTS	C0402NP0101JCT	1V,1MHz	100	pF	±5%	0.20	±0.02	±0.02	0.10%	Paper,20Kpcs	(I)

☐ Tolerance Code: J=±5%,K=±10%,M=±20%; Special tolerance on the request.

● C0402X7R_S Series (EIA01005)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
10V	C0402X7R101KDTS	C0402X7R101KDT	1V,1kHz	100	pF	±10%	0.20	±0.02	±0.02	5.0%	Paper,20Kpcs (W8P2)	(I)
	C0402X7R121KDTS	C0402X7R121KDT	1V,1kHz	120	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R151KDTS	C0402X7R151KDT	1V,1kHz	150	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R181KDTS	C0402X7R181KDT	1V,1kHz	180	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R221KDTS	C0402X7R221KDT	1V,1kHz	220	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R271KDTS	C0402X7R271KDT	1V,1kHz	270	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R331KDTS	C0402X7R331KDT	1V,1kHz	330	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R391KDTS	C0402X7R391KDT	1V,1kHz	390	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R471KDTS	C0402X7R471KDT	1V,1kHz	470	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R561KDTS	C0402X7R561KDT	1V,1kHz	560	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R681KDTS	C0402X7R681KDT	1V,1kHz	680	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R821KDTS	C0402X7R821KDT	1V,1kHz	820	pF	±10%	0.20	±0.02	±0.02	5.0%		(I)
	C0402X7R102KDTS	C0402X7R102KDT	1V,1kHz	1.0	nF	±10%	0.20	±0.02	±0.02	5.0%		(I)
6.3V	C0402X7R102KCTS	C0402X7R102KCT	1V,1kHz	1.0	nF	±10%	0.20	±0.02	±0.02	5.0%	Paper,20Kpcs	(I)

☐ Tolerance Code: K=±10%

● C0402X5R_S Series (EIA01005)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
10V	C0402X5R332KDTS	C0402X5R332KDT	1V,1kHz	3.3	nF	±10%	0.20	±0.02	±0.02	10.0%	Paper,20Kpcs (W8P2)	(I)
	C0402X5R392KDTS	C0402X5R392KDT	1V,1kHz	3.9	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R472KDTS	C0402X5R472KDT	1V,1kHz	4.7	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R562KDTS	C0402X5R562KDT	1V,1kHz	5.6	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R682KDTS	C0402X5R682KDT	1V,1kHz	6.8	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R822KDTS	C0402X5R822KDT	1V,1kHz	8.2	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R103KDTS	C0402X5R103KDT	1V,1kHz	10	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
6.3V	C0402X5R332KCTS	C0402X5R332KCT	1V,1kHz	3.3	nF	±10%	0.20	±0.02	±0.02	10.0%	Paper,20Kpcs (W8P2)	(I)
	C0402X5R392KCTS	C0402X5R392KCT	1V,1kHz	3.9	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R472KCTS	C0402X5R472KCT	1V,1kHz	4.7	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R562KCTS	C0402X5R562KCT	1V,1kHz	5.6	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R682KCTS	C0402X5R682KCT	1V,1kHz	6.8	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R822KCTS	C0402X5R822KCT	1V,1kHz	8.2	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R103KCTS	C0402X5R103KCT	0.5V,1kHz	10	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R223☐CTS	C0402X5R223☐CT	0.5V,1kHz	22	nF	±10% ,±20%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R473KCTS	C0402X5R473KCT	0.5V,1kHz	47	nF	±10%	0.20	±0.02	±0.02	10.0%		(II)
	C0402X5R104☐CTS	C0402X5R104☐CT	0.5V,1kHz	100	nF	±10% ,±20%	0.20	±0.02	±0.02	10.0%		(II)*

☐Tolerance Code: B=±0.1pF, C=±0.25pF,D=±0.5pF, J=±5%, M=±20%; Special tolerance on the request.

(II)* High temperature load life test are applicable in rated voltage *100%. (II)/(II)* are applied with derating voltage.

High Q & Low ESR Type (Q Series)

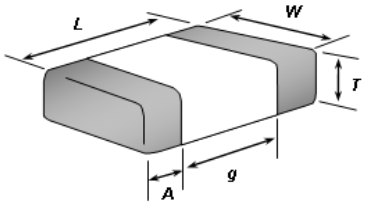
■ Feature

1. Ultra-stable
2. Tight tolerance available
3. Low ESR (Frequency is within 2.4GHz)
4. Good frequency performance
5. No aging of capacitance
6. RoHS compliant
7. Halogen Free

■ Application

1. LC and RC tuned circuit
2. Filtering
3. Timing

■ Standard External Dimensions



TYPE (EIA Size)	Dimension (mm)				
	L (Length)	W (Width)	T (Max.)	g (Min)	A (Min/Max)
C0603 (0201)	0.6±0.03	0.3±0.03	0.33	0.15	0.10/0.20
C1005 (0402)	1.0 ± 0.05	0.5 ± 0.05	0.55	0.30	0.15 / 0.35
C1608 (0603)	1.6 ± 0.10	0.8 ± 0.10	0.90	0.50	0.25 / 0.65

■ Part Number & Characteristic

● C0603NP0_Q Series (EIA0201)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.			
50V	C0603NP0108CGTQ	1V,1MHz	0.10	pF	±0.25pF	0.30	±0.03	±0.03	4547	350	Paper,15Kpcs
	C0603NP0208☐GTQ	1V,1MHz	0.20	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	2274	350	
	C0603NP0308☐GTQ	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1516	350	
	C0603NP0408☐GTQ	1V,1MHz	0.40	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1137	350	
	C0603NP0508☐GTQ	1V,1MHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	909	350	
	C0603NP0608☐GTQ	1V,1MHz	0.60	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	758	350	
	C0603NP0708☐GTQ	1V,1MHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	650	350	
	C0603NP0758☐GTQ	1V,1MHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	606	350	
	C0603NP0808☐GTQ	1V,1MHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	568	350	
	C0603NP0908☐GTQ	1V,1MHz	0.90	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	505	350	
	C0603NP0109☐GTQ	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	455	350	
	C0603NP0119☐GTQ	1V,1MHz	1.1	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	482	300	
	C0603NP0129☐GTQ	1V,1MHz	1.2	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	442	300	
	C0603NP0139☐GTQ	1V,1MHz	1.3	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	408	300	
	C0603NP0149☐GTQ	1V,1MHz	1.4	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	379	300	
	C0603NP0159☐GTQ	1V,1MHz	1.5	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	354	300	
	C0603NP0169☐GTQ	1V,1MHz	1.6	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	332	300	
	C0603NP0179☐GTQ	1V,1MHz	1.7	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	312	300	
	C0603NP0189☐GTQ	1V,1MHz	1.8	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	295	300	
	C0603NP0209☐GTQ	1V,1MHz	2.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	318	250	
	C0603NP0229☐GTQ	1V,1MHz	2.2	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	289	250	
	C0603NP0249☐GTQ	1V,1MHz	2.4	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	265	250	
	C0603NP0259☐GTQ	1V,1MHz	2.5	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	255	250	
	C0603NP0279☐GTQ	1V,1MHz	2.7	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	236	250	
	C0603NP0309☐GTQ	1V,1MHz	3.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	265	200	
	C0603NP0339☐GTQ	1V,1MHz	3.3	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	241	200	
	C0603NP0369☐GTQ	1V,1MHz	3.6	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	221	200	
	C0603NP0399☐GTQ	1V,1MHz	3.9	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	204	200	

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RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.			
50V	C0603NP0439□GTQ	1V,1MHz	4.3	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	185	200	Paper,15Kpcs
	C0603NP0479□GTQ	1V,1MHz	4.7	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	169	200	
	C0603NP0509□GTQ	1V,1MHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	177	180	
	C0603NP0519□GTQ	1V,1MHz	5.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	173	180	
	C0603NP0569□GTQ	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	158	180	
	C0603NP0609□GTQ	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	147	180	
	C0603NP0629□GTQ	1V,1MHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	143	180	
	C0603NP0689□GTQ	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	130	180	
	C0603NP0709□GTQ	1V,1MHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	189	120	
	C0603NP0759□GTQ	1V,1MHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	177	120	
	C0603NP0829□GTQ	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	162	120	
	C0603NP0909□GTQ	1V,1MHz	9.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	147	120	
	C0603NP0919□GTQ	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	146	120	
	C0603NP0100□GTQ	1V,1MHz	10	pF	±5%,±2%	0.30	±0.03	±0.03	133	120	
	C0603NP0110□GTQ	1V,1MHz	11	pF	±5%,±2%	0.30	±0.03	±0.03	138	105	
	C0603NP0120□GTQ	1V,1MHz	12	pF	±5%,±2%	0.30	±0.03	±0.03	147	90	
	C0603NP0130□GTQ	1V,1MHz	13	pF	±5%,±2%	0.30	±0.03	±0.03	153	80	
	C0603NP0150□GTQ	1V,1MHz	15	pF	±5%,±2%	0.30	±0.03	±0.03	152	70	
	C0603NP0160□GTQ	1V,1MHz	16	pF	±5%,±2%	0.30	±0.03	±0.03	166	60	
	C0603NP0180□GTQ	1V,1MHz	18	pF	±5%,±2%	0.30	±0.03	±0.03	147	60	
	C0603NP0200□GTQ	1V,1MHz	20	pF	±5%,±2%	0.30	±0.03	±0.03	199	40	
	C0603NP0220□GTQ	1V,1MHz	22	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	207	35	
25V	C0603NP0208□FTQ	1V,1MHz	0.20	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	2274	350	Paper,15Kpcs
	C0603NP0308□FTQ	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1516	350	
	C0603NP0408□FTQ	1V,1MHz	0.40	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1137	350	
	C0603NP0508□FTQ	1V,1MHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	909	350	
	C0603NP0608□FTQ	1V,1MHz	0.60	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	758	350	
	C0603NP0708□FTQ	1V,1MHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	650	350	
	C0603NP0758□FTQ	1V,1MHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	606	350	
	C0603NP0808□FTQ	1V,1MHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	568	350	
	C0603NP0908□FTQ	1V,1MHz	0.90	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	505	350	
	C0603NP0109□FTQ	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	455	350	
	C0603NP0119□FTQ	1V,1MHz	1.1	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	482	300	
	C0603NP0129□FTQ	1V,1MHz	1.2	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	442	300	
	C0603NP0139□FTQ	1V,1MHz	1.3	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	408	300	
	C0603NP0149□FTQ	1V,1MHz	1.4	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	379	300	
	C0603NP0159□FTQ	1V,1MHz	1.5	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	354	300	
	C0603NP0169□FTQ	1V,1MHz	1.6	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	332	300	
	C0603NP0189□FTQ	1V,1MHz	1.8	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	295	300	
	C0603NP0209□FTQ	1V,1MHz	2.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	318	250	
	C0603NP0229□FTQ	1V,1MHz	2.2	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	289	250	
	C0603NP0249□FTQ	1V,1MHz	2.4	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	265	250	
	C0603NP0259□FTQ	1V,1MHz	2.5	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	255	250	
	C0603NP0279□FTQ	1V,1MHz	2.7	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	236	250	
	C0603NP0309□FTQ	1V,1MHz	3.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	265	200	
	C0603NP0339□FTQ	1V,1MHz	3.3	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	241	200	
	C0603NP0369□FTQ	1V,1MHz	3.6	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	221	200	
	C0603NP0399□FTQ	1V,1MHz	3.9	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	204	200	
	C0603NP0439□FTQ	1V,1MHz	4.3	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	185	200	
	C0603NP0479□FTQ	1V,1MHz	4.7	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	169	200	
	C0603NP0509□FTQ	1V,1MHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	177	180	
	C0603NP0519□FTQ	1V,1MHz	5.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	173	180	
	C0603NP0569□FTQ	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	158	180	
	C0603NP0609□FTQ	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	147	180	
	C0603NP0629□FTQ	1V,1MHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	143	180	
	C0603NP0689□FTQ	1V,1MHz		pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	130	180	
	C0603NP0709□FTQ	1V,1MHz		pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	189	120	
	C0603NP0759□FTQ	1V,1MHz		pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	177	120	
	C0603NP0829□FTQ	1V,1MHz		pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	162	120	
	C0603NP0909□FTQ	1V,1MHz		pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	147	120	
	C0603NP0919□FTQ	1V,1MHz		pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	146	120	
	C0603NP0959□FTQ	1V,1MHz		pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	140	120	
	C0603NP0100□FTQ	1V,1MHz		pF	±5%,±2%	0.30	±0.03	±0.03	133	120	
	C0603NP0110□FTQ	1V,1MHz		pF	±5%,±2%	0.30	±0.03	±0.03	138	105	
	C0603NP0120□FTQ	1V,1MHz		pF	±5%,±2%	0.30	±0.03	±0.03	147	90	
	C0603NP0130□FTQ	1V,1MHz		pF	±5%,±2%	0.30	±0.03	±0.03	153	80	

This catalog contains typical pro ecifications. When you consider using our products, please check our product specification sheets. (Characteris gram, reliability information, application notes... etc.)

High Frequency Application

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.			
25V	C0603NP0150☐FTQ	1V,1MHz	15	pF	±5%,±2%	0.30	±0.03	±0.03	152	70	Paper,15Kpcs
	C0603NP0160☐FTQ	1V,1MHz	16	pF	±5%,±2%	0.30	±0.03	±0.03	166	60	
	C0603NP0180☐FTQ	1V,1MHz	18	pF	±5%,±2%	0.30	±0.03	±0.03	147	60	
	C0603NP0200☐FTQ	1V,1MHz	20	pF	±5%,±2%	0.30	±0.03	±0.03	199	40	
	C0603NP0220☐FTQ	1V,1MHz	22	Pf	±5%,±2%,±1%	0.30	±0.03	±0.03	207	35	

☐ Tolerance Code: A=±0.05 pF, B=±0.1pF, C=±0.25pF, D=±0.5pF, G=±2%, J=±5%; Special tolerance on the request.

● C1005NP0_Q Series (EIA0402)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.			
100V	C1005NP0308☐HTQ	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1768	300	Paper,10Kpcs
	C1005NP0109☐HTQ	1V,1MHz	1.00	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	531	300	
50V	C1005NP0108BGTQ	1V,1MHz	0.10	pF	±0.1pF	0.50	±0.05	±0.05	5305	300	Paper,10Kpcs
	C1005NP0208☐GTQ	1V,1MHz	0.20	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	2653	300	
	C1005NP0308☐GTQ	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1768	300	
	C1005NP0408☐GTQ	1V,1MHz	0.40	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1326	300	
	C1005NP0508☐GTQ	1V,1MHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1061	300	
	C1005NP0568☐GTQ	1V,1MHz	0.56	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	947	300	
	C1005NP0608☐GTQ	1V,1MHz	0.60	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	884	300	
	C1005NP0708☐GTQ	1V,1MHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	758	300	
	C1005NP0758☐GTQ	1V,1MHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	707	300	
	C1005NP0808☐GTQ	1V,1MHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	663	300	
	C1005NP0828☐GTQ	1V,1MHz	0.82	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0. 05	647	300	
	C1005NP0908☐GTQ	1V,1MHz	0.90	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	589	300	
	C1005NP0109☐GTQ	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	531	300	
	C1005NP0119☐GTQ	1V,1MHz	1.1	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	482	300	
	C1005NP0129☐GTQ	1V,1MHz	1.2	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	531	250	
	C1005NP0139☐GTQ	1V,1MHz	1.3	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	490	250	
	C1005NP0159☐GTQ	1V,1MHz	1.5	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	424	250	
	C1005NP0169☐GTQ	1V,1MHz	1.6	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	398	250	
	C1005NP0189☐GTQ	1V,1MHz	1.8	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	354	250	
	C1005NP0209☐GTQ	1V,1MHz	2.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	398	200	
	C1005NP0229☐GTQ	1V,1MHz	2.2	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	362	200	
	C1005NP0249☐GTQ	1V,1MHz	2.4	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	332	200	
	C1005NP0279☐GTQ	1V,1MHz	2.7	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	295	200	
	C1005NP0299☐GTQ	1V,1MHz	2.9	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	274	200	
	C1005NP0309☐GTQ	1V,1MHz	3.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	265	200	
	C1005NP0339☐GTQ	1V,1MHz	3.3	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	241	200	
	C1005NP0369☐GTQ	1V,1MHz	3.6	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	246	180	
	C1005NP0399☐GTQ	1V,1MHz	3.9	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	227	180	
	C1005NP0409☐GTQ	1V,1MHz	4.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	221	180	
	C1005NP0439☐GTQ	1V,1MHz	4.3	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	206	180	
	C1005NP0479☐GTQ	1V,1MHz	4.7	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	188	180	
	C1005NP0509☐GTQ	1V,1MHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	212	150	
	C1005NP0519☐GTQ	1V,1MHz	5.1	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	208	150	
	C1005NP0569☐GTQ	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	189	150	
	C1005NP0609☐GTQ	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	177	150	
	C1005NP0629☐GTQ	1V,1MHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	171	150	
	C1005NP0689☐GTQ	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	156	150	
	C1005NP0709☐GTQ	1V,1MHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	227	100	
	C1005NP0759☐GTQ	1V,1MHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	212	100	
	C1005NP0809☐GTQ	1V,1MHz	8.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	199	100	
	C1005NP0829☐GTQ	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	194	100	
	C1005NP0909☐GTQ	1V,1MHz	9.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	177	100	
	C1005NP0919☐GTQ	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	175	100	
	C1005NP0959☐GTQ	1V,1MHz	9.5	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	186	90	
	C1005NP0100☐GTQ	1V,1MHz	10	pF	±5%,±2%	0.50	±0.05	±0.05	199	80	
	C1005NP0110☐GTQ	1V,1MHz	11	pF	±5%,±2%	0.50	±0.05	±0.05	207	70	
	C1005NP0120☐GTQ	1V,1MHz	12	pF	±5%,±2%	0.50	±0.05	±0.05	221	60	
	C1005NP0150☐GTQ	1V,1MHz	15	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	265	40	
	C1005NP0160☐GTQ	1V,1MHz	16	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	284	35	
	C1005NP0180☐GTQ	1V,1MHz	18	pF	±5%,±2%	0.50	±0.05	±0.05	295	30	
	C1005NP0200☐GTQ	1V,1MHz	20	pF	±5%,±2%	0.50	±0.05	±0.05	398	20	
	C1005NP0220☐GTQ	1V,1MHz	22	pF	±5%,±2%	0.50	±0.05	±0.05	362	20	

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RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.			
25V	C1005NP0508BFTQ	1V,1MHz	0.5	pF	±0.1pF	0.50	±0.05	±0.05	1061	300	Paper,10Kpcs
	C1005NP0209BFTQ	1V,1MHz	2.0	pF	±0.1pF	0.50	±0.05	±0.05	398	200	
	C1005NP0479CFTQ	1V,1MHz	4.7	pF	±0.25pF	0.50	±0.05	±0.05	188	180	
16V	C1005NP0109BETQ	1V,1MHz	1.0	pF	±0.1pF	0.50	±0.05	±0.05	531	300	Paper,10Kpcs

☐ Tolerance Code: A=±0.05 pF, B=±0.1pF, C=±0.25pF, D=±0.5pF, G=±2%, J=±5%; Special tolerance on the request.

● C1608NP0_Q Series (EIA0603)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.			
250V	C1608NP0308☐KTQ	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	2122	250	Paper,4Kpcs
	C1608NP0508☐KTQ	1V,1MHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	1273	250	
	C1608NP0758☐KTQ	1V,1MHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	849	250	
	C1608NP0808☐KTQ	1V,1MHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	796	250	
	C1608NP0109☐KTQ	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	637	250	
	C1608NP0129☐KTQ	1V,1MHz	1.2	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	663	200	
	C1608NP0159☐KTQ	1V,1MHz	1.5	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	531	200	
	C1608NP0189☐KTQ	1V,1MHz	1.8	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	442	200	
	C1608NP0209☐KTQ	1V,1MHz	2.0	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	531	150	
	C1608NP0229☐KTQ	1V,1MHz	2.2	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	482	150	
	C1608NP0249☐KTQ	1V,1MHz	2.4	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	442	150	
	C1608NP0279☐KTQ	1V,1MHz	2.7	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	393	150	
	C1608NP0309☐KTQ	1V,1MHz	3.0	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	531	100	
	C1608NP0339☐KTQ	1V,1MHz	3.3	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	482	100	
	C1608NP0399☐KTQ	1V,1MHz	3.9	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	408	100	
	C1608NP0479☐KTQ	1V,1MHz	4.7	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	339	100	
	C1608NP0519☐KTQ	1V,1MHz	5.1	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	347	90	
	C1608NP0569☐KTQ	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	355	80	
	C1608NP0609☐KTQ	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	332	80	
	C1608NP0689☐KTQ	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	293	80	
	C1608NP0829☐KTQ	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	277	70	
	C1608NP0919☐KTQ	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	250	70	
	C1608NP0100☐KTQ	1V,1MHz	10	pF	±5%,±2%	0.80	±0.10	±0.10	227	70	
	C1608NP0120JKTQ	1V,1MHz	12	pF	±5%	0.80	±0.10	±0.10	332	40	
	C1608NP0150☐KTQ	1V,1MHz	15	pF	±5%,±2%	0.80	±0.10	±0.10	303	35	
	C1608NP0180☐KTQ	1V,1MHz	18	pF	±5%,±2%	0.80	±0.10	±0.10	295	30	
	C1608NP0220☐KTQ	1V,1MHz	22	pF	±5%,±2%	0.80	±0.10	±0.10	289	25	
200V	C1608NP0129BJTQ	1V,1MHz	1.2	pF	±0.1pF	0.80	±0.10	±0.10	663	200	Paper,4Kpcs
	C1608NP0159BJTQ	1V,1MHz	1.5	pF	±0.1pF	0.80	±0.10	±0.10	531	200	
	C1608NP0189BJTQ	1V,1MHz	1.8	pF	±0.1pF	0.80	±0.10	±0.10	442	200	
	C1608NP0229BJTQ	1V,1MHz	2.2	pF	±0.1pF	0.80	±0.10	±0.10	482	150	
	C1608NP0249☐JTQ	1V,1MHz	2.4	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	442	150	
	C1608NP0279BJTQ	1V,1MHz	2.7	pF	±0.1pF	0.80	±0.10	±0.10	393	150	
	C1608NP0309BJTQ	1V,1MHz	3.0	pF	±0.1pF	0.80	±0.10	±0.10	531	100	
	C1608NP0339BJTQ	1V,1MHz	3.3	pF	±0.1pF	0.80	±0.10	±0.10	482	100	
	C1608NP0399BJTQ	1V,1MHz	3.9	pF	±0.1pF	0.80	±0.10	±0.10	408	100	
	C1608NP0439BJTQ	1V,1MHz	4.3	pF	±0.1pF	0.80	±0.10	±0.10	370	100	
	C1608NP0479☐JTQ	1V,1MHz	4.7	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	339	100	
	C1608NP0689BJTQ	1V,1MHz	6.8	pF	±0.1pF	0.80	±0.10	±0.10	293	80	
	C1608NP0829CJTQ	1V,1MHz	8.2	pF	±0.25pF	0.80	±0.10	±0.10	277	70	
100V	C1608NP0308☐HTQ	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	2122	250	Paper,4Kpcs
	C1608NP0508☐HTQ	1V,1MHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	1273	250	
	C1608NP0758☐HTQ	1V,1MHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	849	250	
	C1608NP0109☐HTQ	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	637	250	
	C1608NP0129☐HTQ	1V,1MHz	1.2	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	663	200	
	C1608NP0159☐HTQ	1V,1MHz	1.5	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	531	200	
	C1608NP0189☐HTQ	1V,1MHz	1.8	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	442	200	
	C1608NP0209☐HTQ	1V,1MHz	2.0	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	531	150	
	C1608NP0229☐HTQ	1V,1MHz	2.2	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	482	150	
	C1608NP0249☐HTQ	1V,1MHz	2.4	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	442	150	
	C1608NP0279☐HTQ	1V,1MHz	2.7	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	393	150	
	C1608NP0309☐HTQ	1V,1MHz	3.0	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	531	100	
	C1608NP0339☐HTQ	1V,1MHz	3.3	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	482	100	
	C1608NP0399☐HTQ	1V,1MHz	3.9	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	408	100	
	C1608NP0479☐HTQ	1V,1MHz	4.7	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	339	100	
	C1608NP0569☐HTQ	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	355	80	

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.			
100V	C1608NP0609☐HTQ	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	332	80	Paper,4Kpcs
	C1608NP0689☐HTQ	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	293	80	
	C1608NP0829☐HTQ	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	277	70	
	C1608NP0919☐HTQ	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	250	70	
	C1608NP0100JHTQ	1V,1MHz	10	pF	±5%	0.80	±0.10	±0.10	227	70	
	C1608NP0120JHTQ	1V,1MHz	12	pF	±5%	0.80	±0.10	±0.10	332	40	
	C1608NP0150JHTQ	1V,1MHz	15	pF	±5%	0.80	±0.10	±0.10	303	35	
	C1608NP0180JHTQ	1V,1MHz	18	pF	±5%	0.80	±0.10	±0.10	295	30	
	C1608NP0220JHTQ	1V,1MHz	22	pF	±5%	0.80	±0.10	±0.10	289	25	
50V	C1608NP0208☐GTQ	1V,1MHz	0.20	pF	±0.25pF±0.1pF,±0.05pF	0.80	±0.10	±0.10	3183	250	Paper,4Kpcs
	C1608NP0228☐GTQ	1V,1MHz	0.22	pF	±0.25pF±0.1pF,±0.05pF	0.80	±0.10	±0.10	2894	250	
	C1608NP0308☐GTQ	1V,1MHz	0.30	pF	±0.25pF±0.1pF,±0.05pF	0.80	±0.10	±0.10	2122	250	
	C1608NP0508☐GTQ	1V,1MHz	0.50	pF	±0.25pF±0.1pF,±0.05pF	0.80	±0.10	±0.10	1273	250	
	C1608NP0758☐GTQ	1V,1MHz	0.75	pF	±0.25pF±0.1pF,±0.05pF	0.80	±0.10	±0.10	849	250	
	C1608NP0109☐GTQ	1V,1MHz	1.0	pF	±0.25pF±0.1pF,±0.05pF	0.80	±0.10	±0.10	637	250	
	C1608NP0129☐GTQ	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	663	200	
	C1608NP0159☐GTQ	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	531	200	
	C1608NP0189☐GTQ	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	442	200	
	C1608NP0209☐GTQ	1V,1MHz	2.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	531	150	
	C1608NP0229☐GTQ	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	482	150	
	C1608NP0249☐GTQ	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	442	150	
	C1608NP0279☐GTQ	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	393	150	
	C1608NP0309☐GTQ	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	531	100	
	C1608NP0339☐GTQ	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	482	100	
	C1608NP0399☐GTQ	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	408	100	
	C1608NP0479☐GTQ	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	339	100	
	C1608NP0509☐GTQ	1V,1MHz	5.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	354	90	
	C1608NP0569☐GTQ	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	355	80	
	C1608NP0609☐GTQ	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	332	80	
	C1608NP0689☐GTQ	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	293	80	
	C1608NP0829☐GTQ	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	277	70	
	C1608NP0919☐GTQ	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	250	70	
	C1608NP0100JGTQ	1V,1MHz	10	pF	±5%	0.80	±0.10	±0.10	227	70	
	C1608NP0120☐GTQ	1V,1MHz	12	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	332	40	
	C1608NP0150JGTQ	1V,1MHz	15	pF	±5%	0.80	±0.10	±0.10	303	35	
	C1608NP0180JGTQ	1V,1MHz	18	pF	±5%	0.80	±0.10	±0.10	295	30	
	C1608NP0220JGTQ	1V,1MHz	22	pF	±5%	0.80	±0.10	±0.10	289	25	

☐ Tolerance Code: A=±0.05 pF, B=±0.1pF, C=±0.25pF, D=±0.5pF, G=±2%, J=±5%; Special tolerance on the request.

Middle-High Voltage (100V~3kV)

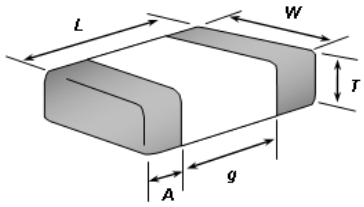
■ Feature

1. A monolithic structure ensures high reliability and mechanical strength.
2. Suitable for high speed SMT placement on PCBs.
3. RoHS compliant
4. Halogen Free

■ Application

1. Input filtering circuit of modem and LAN Interface.
2. DC-DC Converters
3. Backlighting inverters of LCD screen.
4. Switching circuit.
5. General high voltage circuit.

■ Standard External Dimensions



TYPE		Dimension (mm)				
(EIA Size)	Kind	L (Length)	W (Width)	T (Max.)	g (Min)	A (Min/Max)
C0603 (0201)	Standard	0.6 ± 0.03	0.30 ± 0.03	0.33	0.15	0.10 / 0.20
C1005 (0402)	Standard	1.0 ± 0.05	0.50 ± 0.05	0.55	0.30	0.15 / 0.35
C1608 (0603)	Standard	1.6 ± 0.10	0.80 ± 0.10	0.90	0.50	0.25 / 0.65
	Special (1)	1.6 ± 0.15	0.80 ± 0.15	0.95	0.50	0.25 / 0.65
C2012 (0805)	Standard	2.0 ± 0.15	1.25 ± 0.15	1.45	0.70	0.25 / 0.75
	Special (1)	2.0 ± 0.20	1.25 ± 0.20	1.45	0.70	0.25 / 0.75
C3216 (1206)	Standard	3.2 ± 0.15	1.60 ± 0.15	1.80	1.50	0.25 / 0.75
	Special (1)	3.2 ± 0.20	1.60 ± 0.20	1.80	1.50	0.25 / 0.75
	Special (2)	3.2 ± 0.30	1.60 ± 0.30	1.90	1.50	0.25 / 0.75
C3225 (1210)	Standard	3.2 ± 0.30	2.50 ± 0.20	2.70	1.50	0.25 / 0.75
C4520 (1808)	Standard	4.6 ± 0.30	2.00 ± 0.20	2.20	1.50	0.25 / 0.75
	Special (1)	4.6 +0.5-0.3	2.00 ± 0.30	2.30	1.50	0.25 / 0.75
	Special (2)	4.6 ± 0.40	2.00 ± 0.30	2.30	1.50	0.25 / 0.75
C4532 (1812)	Standard	4.6 ± 0.30	3.20 ± 0.30	2.80	1.50	0.25 / 0.75
	Special (1)	4.6 +0.5-0.3	3.20 ± 0.40	2.80	1.50	0.25 / 0.75
	Special (2)	4.6 ± 0.40	3.20 ± 0.30	2.80	1.50	0.25 / 0.75

For some special parts, please see the “Part Number & Characteristic” for detail specification.

■ Part Number & Characteristic

■ NP0 Series

● C0603NP0 Series (EIA0201)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C0603NP0208☐HTS	C0603NP0208☐HT	1V,1MHz	0.20	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.25%	Paper,15Kpcs	(I)
	C0603NP0308☐HTS	C0603NP0308☐HT	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.25%		(I)
	C0603NP0408☐HTS	C0603NP0408☐HT	1V,1MHz	0.40	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.25%		(I)
	C0603NP0508☐HTS	C0603NP0508☐HT	1V,1MHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%		(I)
	C0603NP0608☐HTS	C0603NP0608☐HT	1V,1MHz	0.60	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%		(I)
	C0603NP0708☐HTS	C0603NP0708☐HT	1V,1MHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%		(I)
	C0603NP0758☐HTS	C0603NP0758☐HT	1V,1MHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%		(I)
	C0603NP0808☐HTS	C0603NP0808☐HT	1V,1MHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%		(I)
	C0603NP0908☐HTS	C0603NP0908☐HT	1V,1MHz	0.90	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	0.24%		(I)
	C0603NP0109☐HTS	C0603NP0109☐HT	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0. 03	0.24%		(I)
	C0603NP0119☐HTS	C0603NP0119☐HT	1V,1MHz	1.1	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.24%		(I)
	C0603NP0129☐HTS	C0603NP0129☐HT	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.24%		(I)
	C0603NP0139☐HTS	C0603NP0139☐HT	1V,1MHz	1.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%		(I)
	C0603NP0159☐HTS	C0603NP0159☐HT	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%		(I)
	C0603NP0169☐HTS	C0603NP0169☐HT	1V,1MHz	1.6	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%		(I)
	C0603NP0189☐HTS	C0603NP0189☐HT	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%		(I)
	C0603NP0209☐HTS	C0603NP0209☐HT	1V,1MHz	2.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%		(I)
	C0603NP0229☐HTS	C0603NP0229☐HT	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.23%		(I)
	C0603NP0249☐HTS	C0603NP0249☐HT	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.22%		(I)
	C0603NP0279☐HTS	C0603NP0279☐HT	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.22%		(I)
	C0603NP0309☐HTS	C0603NP0309☐HT	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.22%		(I)
	C0603NP0339☐HTS	C0603NP0339☐HT	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%		(I)
	C0603NP0359☐HTS	C0603NP0359☐HT	1V,1MHz	3.5	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%		(I)
	C0603NP0399☐HTS	C0603NP0399☐HT	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%		(I)
	C0603NP0409☐HTS	C0603NP0409☐HT	1V,1MHz	4.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%		(I)
	C0603NP0439☐HTS	C0603NP0439☐HT	1V,1MHz	4.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.21%		(I)
	C0603NP0479☐HTS	C0603NP0479☐HT	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%		(I)
	C0603NP0509☐HTS	C0603NP0509☐HT	1V,1MHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%		(I)
	C0603NP0519☐HTS	C0603NP0519☐HT	1V,1MHz	5.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%		(I)
	C0603NP0569☐HTS	C0603NP0569☐HT	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.20%		(I)
	C0603NP0609☐HTS	C0603NP0609☐HT	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%		(I)
	C0603NP0689☐HTS	C0603NP0689☐HT	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%		(I)
	C0603NP0709☐HTS	C0603NP0709☐HT	1V,1MHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.19%		(I)
	C0603NP0759☐HTS	C0603NP0759☐HT	1V,1MHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.18%		(I)
	C0603NP0809☐HTS	C0603NP0809☐HT	1V,1MHz	8.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.18%		(I)
	C0603NP0829☐HTS	C0603NP0829☐HT	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.18%		(I)
	C0603NP0909☐HTS	C0603NP0909☐HT	1V,1MHz	9.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	0.17%		(I)
	C0603NP0100☐HTS	C0603NP0100☐HT	1V,1MHz	10	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	0.17%		(I)
	C0603NP0120JHTS	C0603NP0120JHT	1V,1MHz	12	pF	±5%	0.30	±0.03	±0.03	0.16%		(I)
	C0603NP0150JHTS	C0603NP0150JHT	1V,1MHz	15	pF	±5%	0.30	±0.03	±0.03	0.14%		(I)
	C0603NP0180JHTS	C0603NP0180JHT	1V,1MHz	18	pF	±5%	0.30	±0.03	±0.03	0.13%		(I)
	C0603NP0220JHTS	C0603NP0220JHT	1V,1MHz	22	pF	±5%	0.30	±0.03	±0.03	0.12%		(I)
	C0603NP0270JHTS	C0603NP0270JHT	1V,1MHz	27	pF	±5%	0.30	±0.03	±0.03	0.11%		(I)
	C0603NP0330JHTS	C0603NP0330JHT	1V,1MHz	33	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)
	C0603NP0390JHTS	C0603NP0390JHT	1V,1MHz	39	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)
	C0603NP0470JHTS	C0603NP0470JHT	1V,1MHz	47	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)
	C0603NP0560JHTS	C0603NP0560JHT	1V,1MHz	56	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)
	C0603NP0680JHTS	C0603NP0680JHT	1V,1MHz	68	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)
	C0603NP0820JHTS	C0603NP0820JHT	1V,1MHz	82	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)
	C0603NP0101JHTS	C0603NP0101JHT	1V,1MHz	100	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)
	C0603NP0121JHTS	C0603NP0121JHT	1V,1MHz	120	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)
	C0603NP0151JHTS	C0603NP0151JHT	1V,1MHz	150	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)
	C0603NP0181JHTS	C0603NP0181JHT	1V,1MHz	180	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)
	C0603NP0221JHTS	C0603NP0221JHT	1V,1MHz	220	pF	±5%	0.30	±0.03	±0.03	0.10%		(I)

☐Tolerance Code: B=±0.1pF, C=±0.25pF,D=±0.5pF, J=±5%, M=±20%; Special tolerance on the request.

● C1005NP0 Series (EIA0402)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C1005NP0208☐HTS	C1005NP0208☐HT	1V,1MHz	0.20	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.25%	Paper,10Kpcs	(I)
	C1005NP0308☐HTS	C1005NP0308☐HT	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.25%		(I)
	C1005NP0408☐HTS	C1005NP0408☐HT	1V,1MHz	0.40	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.25%		(I)
	C1005NP0508☐HTS	C1005NP0508☐HT	1V,1MHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%		(I)
	C1005NP0608☐HTS	C1005NP0608☐HT	1V,1MHz	0.60	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%		(I)
	C1005NP0708☐HTS	C1005NP0708☐HT	1V,1MHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%		(I)
	C1005NP0808☐HTS	C1005NP0808☐HT	1V,1MHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%		(I)
	C1005NP0908☐HTS	C1005NP0908☐HT	1V,1MHz	0.90	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%		(I)
	C1005NP0109☐HTS	C1005NP0109☐HT	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	0.24%		(I)
	C1005NP0129☐HTS	C1005NP0129☐HT	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%		(I)
	C1005NP0159☐HTS	C1005NP0159☐HT	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.23%		(I)
	C1005NP0189☐HTS	C1005NP0189☐HT	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.23%		(I)
	C1005NP0229☐HTS	C1005NP0229☐HT	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.23%		(I)
	C1005NP0279☐HTS	C1005NP0279☐HT	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.22%		(I)
	C1005NP0339☐HTS	C1005NP0339☐HT	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.21%		(I)
	C1005NP0399☐HTS	C1005NP0399☐HT	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.21%		(I)
	C1005NP0409☐HTS	C1005NP0409☐HT	1V,1MHz	4.0	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.21%		(I)
	C1005NP0479☐HTS	C1005NP0479☐HT	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.20%		(I)
	C1005NP0509☐HTS	C1005NP0509☐HT	1V,1MHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.20%		(I)
	C1005NP0569☐HTS	C1005NP0569☐HT	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.20%		(I)
	C1005NP0689☐HTS	C1005NP0689☐HT	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.19%		(I)
	C1005NP0809☐HTS	C1005NP0809☐HT	1V,1MHz	8.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.18%		(I)
	C1005NP0829☐HTS	C1005NP0829☐HT	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.18%		(I)
	C1005NP0100☐HTS	C1005NP0100☐HT	1V,1MHz	10	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.17%		(I)
	C1005NP0120☐HTS	C1005NP0120☐HT	1V,1MHz	12	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.16%		(I)
	C1005NP0150☐HTS	C1005NP0150☐HT	1V,1MHz	15	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.14%		(I)
	C1005NP0160☐HTS	C1005NP0160☐HT	1V,1MHz	16	pF	±5%,±2%	0.50	±0.05	±0.05	0.14%		(I)
	C1005NP0180☐HTS	C1005NP0180☐HT	1V,1MHz	18	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.13%		(I)
	C1005NP0220☐HTS	C1005NP0220☐HT	1V,1MHz	22	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.12%		(I)
	C1005NP0270☐HTS	C1005NP0270☐HT	1V,1MHz	27	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.11%		(I)
	C1005NP0330☐HTS	C1005NP0330☐HT	1V,1MHz	33	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0390☐HTS	C1005NP0390☐HT	1V,1MHz	39	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0470☐HTS	C1005NP0470☐HT	1V,1MHz	47	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0560☐HTS	C1005NP0560☐HT	1V,1MHz	56	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0680☐HTS	C1005NP0680☐HT	1V,1MHz	68	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0820☐HTS	C1005NP0820☐HT	1V,1MHz	82	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0101☐HTS	C1005NP0101☐HT	1V,1MHz	100	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0121JHTS	C1005NP0121JHT	1V,1MHz	120	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0151JHTS	C1005NP0151JHT	1V,1MHz	150	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0181JHTS	C1005NP0181JHT	1V,1MHz	180	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0221JHTS	C1005NP0221JHT	1V,1MHz	220	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0271JHTS	C1005NP0271JHT	1V,1MHz	270	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0331JHTS	C1005NP0331JHT	1V,1MHz	330	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0391JHTS	C1005NP0391JHT	1V,1MHz	390	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0471JHTS	C1005NP0471JHT	1V,1MHz	470	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0561JHTS	C1005NP0561JHT	1V,1MHz	560	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0681JHTS	C1005NP0681JHT	1V,1MHz	680	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0821JHTS	C1005NP0821JHT	1V,1MHz	820	pF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0102JHTS	C1005NP0102JHT	1V,1MHz	1.0	nF	±5%	0.50	±0.05	±0.05	0.10%		(I)
	C1005NP0152JHTS	C1005NP0152JHT	1V,1kHz	1.5	nF	±5%	0.50	±0.05	±0.05	0.10%		(I)

☐Tolerance Code: B=±0.1pF, C=±0.25pF,D=±0.5pF, J=±5%, M=±20%; Special tolerance on the request.

● C1608NP0 Series (EIA0603)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
250V	C1608NP0109☐KTS	C1608NP0109☐KT	1V,1MHz	1.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	Paper,4Kpcs	(I)
	C1608NP0129☐KTS	C1608NP0129☐KT	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%		(I)
	C1608NP0159☐KTS	C1608NP0159☐KT	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%		(I)
	C1608NP0189☐KTS	C1608NP0189☐KT	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%		(I)
	C1608NP0229☐KTS	C1608NP0229☐KT	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%		(I)
	C1608NP0279☐KTS	C1608NP0279☐KT	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%		(I)
	C1608NP0339☐KTS	C1608NP0339☐KT	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%		(I)
	C1608NP0399☐KTS	C1608NP0399☐KT	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%		(I)

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
	C1608NP0479□KTS	C1608NP0479□KT	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.20%		(I)
	C1608NP0569□KTS	C1608NP0569□KT	1V,1MHz	5.6	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.20%		(I)
	C1608NP0689□KTS	C1608NP0689□KT	1V,1MHz	6.8	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.19%		(I)
	C1608NP0829□KTS	C1608NP0829□KT	1V,1MHz	8.2	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.18%		(I)
	C1608NP0100JKTS	C1608NP0100JKT	1V,1MHz	10	pF	±5%	0.80	±0.10	±0.10	0.17%		(I)
	C1608NP0120JKTS	C1608NP0120JKT	1V,1MHz	12	pF	±5%	0.80	±0.10	±0.10	0.16%		(I)
	C1608NP0150JKTS	C1608NP0150JKT	1V,1MHz	15	pF	±5%	0.80	±0.10	±0.10	0.14%		(I)
	C1608NP0180JKTS	C1608NP0180JKT	1V,1MHz	18	pF	±5%	0.80	±0.10	±0.10	0.13%		(I)
	C1608NP0220JKTS	C1608NP0220JKT	1V,1MHz	22	pF	±5%	0.80	±0.10	±0.10	0.12%		(I)
	C1608NP0270JKTS	C1608NP0270JKT	1V,1MHz	27	pF	±5%	0.80	±0.10	±0.10	0.11%		(I)
	C1608NP0330JKTS	C1608NP0330JKT	1V,1MHz	33	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0390JKTS	C1608NP0390JKT	1V,1MHz	39	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
250V	C1608NP0470JKTS	C1608NP0470JKT	1V,1MHz	47	pF	±5%	0.80	±0.10	±0.10	0.10%	Paper,4Kpcs	(I)
	C1608NP0560JKTS	C1608NP0560JKT	1V,1MHz	56	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0680JKTS	C1608NP0680JKT	1V,1MHz	68	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0820JKTS	C1608NP0820JKT	1V,1MHz	82	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0101JKTS	C1608NP0101JKT	1V,1MHz	100	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0121JKTS	C1608NP0121JKT	1V,1MHz	120	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0151JKTS	C1608NP0151JKT	1V,1MHz	150	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0181JKTS	C1608NP0181JKT	1V,1MHz	180	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0221JKTS	C1608NP0221JKT	1V,1MHz	220	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0271JKTS	C1608NP0271JKT	1V,1MHz	270	pF	±5%	0.80	±0.15	±0.15	0.10%		(I)
	C1608NP0331JKTS	C1608NP0331JKT	1V,1MHz	330	pF	±5%	0.80	±0.15	±0.15	0.10%		(I)
	C1608NP0391JKTS	C1608NP0391JKT	1V,1MHz	390	pF	±5%	0.80	±0.15	±0.15	0.10%		(I)
	C1608NP0471JKTS	C1608NP0471JKT	1V,1MHz	470	pF	±5%	0.80	±0.15	±0.15	0.10%		(I)
200V	C1608NP0109BJTS	C1608NP0109BJT	1V,1MHz	1.0	pF	±0.1pF	0.80	±0.10	±0.10	0.24%	Paper,4Kpcs	(I)
	C1608NP0221JJTS	C1608NP0221JJT	1V,1MHz	220	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0308□HTS	C1608NP0308□HT	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.25%		(I)
	C1608NP0408□HTS	C1608NP0408□HT	1V,1MHz	0.40	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.25%		(I)
	C1608NP0508□HTS	C1608NP0508□HT	1V,1MHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%		(I)
	C1608NP0608□HTS	C1608NP0608□HT	1V,1MHz	0.60	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%		(I)
	C1608NP0708□HTS	C1608NP0708□HT	1V,1MHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%		(I)
	C1608NP0758□HTS	C1608NP0758□HT	1V,1MHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%		(I)
	C1608NP0808□HTS	C1608NP0808□HT	1V,1MHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%		(I)
	C1608NP0908□HTS	C1608NP0908□HT	1V,1MHz	0.90	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%		(I)
	C1608NP0109□HTS	C1608NP0109□HT	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.24%		(I)
	C1608NP0129□HTS	C1608NP0129□HT	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%		(I)
	C1608NP0159□HTS	C1608NP0159□HT	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%		(I)
	C1608NP0189□HTS	C1608NP0189□HT	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%		(I)
	C1608NP0209□HTS	C1608NP0209□HT	1V,1MHz	2.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%		(I)
	C1608NP0229□HTS	C1608NP0229□HT	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%		(I)
	C1608NP0249□HTS	C1608NP0249□HT	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%		(I)
	C1608NP0279□HTS	C1608NP0279□HT	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%		(I)
	C1608NP0309□HTS	C1608NP0309□HT	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%		(I)
	C1608NP0339□HTS	C1608NP0339□HT	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%		(I)
	C1608NP0369CHTS	C1608NP0369CHT	1V,1MHz	3.6	pF	±0.25pF	0.80	±0.10	±0.10	0.21%		(I)
100V	C1608NP0399□HTS	C1608NP0399□HT	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%	Paper,4Kpcs	(I)
	C1608NP0409□HTS	C1608NP0409□HT	1V,1MHz	4.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%		(I)
	C1608NP0439□HTS	C1608NP0439□HT	1V,1MHz	4.3	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%		(I)
	C1608NP0479□HTS	C1608NP0479□HT	1V,1MHz	4.7	pF	±0.25pF,±0.1pF,±0.05pF	0.80	±0.10	±0.10	0.20%		(I)
	C1608NP0509□HTS	C1608NP0509□HT	1V,1MHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.20%		(I)
	C1608NP0569□HTS	C1608NP0569□HT	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.20%		(I)
	C1608NP0609□HTS	C1608NP0609□HT	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.19%		(I)
	C1608NP0629□HTS	C1608NP0629□HT	1V,1MHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.19%		(I)
	C1608NP0689□HTS	C1608NP0689□HT	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.19%		(I)
	C1608NP0709□HTS	C1608NP0709□HT	1V,1MHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.19%		(I)
	C1608NP0809CHTS	C1608NP0809CHT	1V,1MHz	8.0	pF	±0.25pF	0.80	±0.10	±0.10	0.18%		(I)
	C1608NP0829□HTS	C1608NP0829□HT	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.18%		(I)
	C1608NP0909□HTS	C1608NP0909□HT	1V,1MHz	9.0	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.17%		(I)
	C1608NP0919□HTS	C1608NP0919□HT	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.17%		(I)
	C1608NP0100□HTS	C1608NP0100□HT	1V,1MHz	10	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.17%		(I)
	C1608NP0110□HTS	C1608NP0110□HT	1V,1MHz	11	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.16%		(I)
	C1608NP0120□HTS	C1608NP0120□HT	1V,1MHz	12	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.16%		(I)
	C1608NP0150□HTS	C1608NP0150□HT	1V,1MHz	15	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.14%		(I)
	C1608NP0160GHTS	C1608NP0160GHT	1V,1MHz	16	pF	±2%	0.80	±0.10	±0.10	0.14%		(I)
	C1608NP0180□HTS	C1608NP0180□HT	1V,1MHz	18	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.13%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C1608NP0200☐HTS	C1608NP0200☐HT	1V,1MHz	20	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.13%	Paper,4Kpcs	(I)
	C1608NP0220☐HTS	C1608NP0220☐HT	1V,1MHz	22	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.12%		(I)
	C1608NP0240☐HTS	C1608NP0240☐HT	1V,1MHz	24	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.11%		(I)
	C1608NP0270☐HTS	C1608NP0270☐HT	1V,1MHz	27	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.11%		(I)
	C1608NP0300☐HTS	C1608NP0300☐HT	1V,1MHz	30	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0330☐HTS	C1608NP0330☐HT	1V,1MHz	33	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0360☐HTS	C1608NP0360☐HT	1V,1MHz	36	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0390☐HTS	C1608NP0390☐HT	1V,1MHz	39	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0430☐HTS	C1608NP0430☐HT	1V,1MHz	43	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0470☐HTS	C1608NP0470☐HT	1V,1MHz	47	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0560☐HTS	C1608NP0560☐HT	1V,1MHz	56	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0620☐HTS	C1608NP0620☐HT	1V,1MHz	62	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0680☐HTS	C1608NP0680☐HT	1V,1MHz	68	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0750☐HTS	C1608NP0750☐HT	1V,1MHz	75	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0820☐HTS	C1608NP0820☐HT	1V,1MHz	82	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0910☐HTS	C1608NP0910☐HT	1V,1MHz	91	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0101☐HTS	C1608NP0101☐HT	1V,1MHz	100	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0121JHTS	C1608NP0121JHT	1V,1MHz	120	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0151☐HTS	C1608NP0151☐HT	1V,1MHz	150	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0181JHTS	C1608NP0181JHT	1V,1MHz	180	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0201JHTS	C1608NP0201JHT	1V,1MHz	200	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0221☐HTS	C1608NP0221☐HT	1V,1MHz	220	pF	±5%,±2%,±1%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0271JHTS	C1608NP0271JHT	1V,1MHz	270	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0331JHTS	C1608NP0331JHT	1V,1MHz	330	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0391JHTS	C1608NP0391JHT	1V,1MHz	390	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0471JHTS	C1608NP0471JHT	1V,1MHz	470	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0561JHTS	C1608NP0561JHT	1V,1MHz	560	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0681JHTS	C1608NP0681JHT	1V,1MHz	680	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0821JHTS	C1608NP0821JHT	1V,1MHz	820	pF	±5%	0.80	±0.10	±0.10	0.10%		(I)
	C1608NP0102JHTS	C1608NP0102JHT	1V,1MHz	1.0	nF	±5%	0.80	±0.10	±0.10	0.10%		(I)

☐Tolerance Code: B=±0.1pF, C=±0.25pF,D=±0.5pF, J=±5%, M=±20%; Special tolerance on the request.

● C2012NP0 Series (EIA0805)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
1000V	C2012NP0100JPPSG	C2012NP0100JPP	1V,1MHz	10	pF	±5%	1.25	±0.15/±0.10	±0.20	0.17%	Emobssed,3Kpcs	(I)
	C2012NP0120JPPSG	C2012NP0120JPP	1V,1MHz	12	pF	±5%	1.25	±0.15/±0.10	±0.20	0.16%		(I)
	C2012NP0150JPPSG	C2012NP0150JPP	1V,1MHz	15	pF	±5%	1.25	±0.15/±0.10	±0.20	0.14%		(I)
	C2012NP0180JPPSG	C2012NP0180JPP	1V,1MHz	18	pF	±5%	1.25	±0.15/±0.10	±0.20	0.13%		(I)
	C2012NP0220JPPSG	C2012NP0220JPP	1V,1MHz	22	pF	±5%	1.25	±0.15/±0.10	±0.20	0.12%		(I)
	C2012NP0270JPPSG	C2012NP0270JPP	1V,1MHz	27	pF	±5%	1.25	±0.15/±0.10	±0.20	0.11%		(I)
	C2012NP0330JPPSG	C2012NP0330JPP	1V,1MHz	33	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0390JPPSG	C2012NP0390JPP	1V,1MHz	39	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0470JPPSG	C2012NP0470JPP	1V,1MHz	47	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0560JPPSG	C2012NP0560JPP	1V,1MHz	56	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0680JPPSG	C2012NP0680JPP	1V,1MHz	68	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
630V	C2012NP0100JMTSC	C2012NP0100JMT	1V,1MHz	10	pF	±5%	0.60	±0.15/±0.10	±0.10	0.17%	Paper,4Kpcs	(I)
	C2012NP0100JMTSD		1V,1MHz	10	pF	±5%	0.80	±0.15/±0.10	±0.10	0.17%		(I)
	C2012NP0120JMTSC	C2012NP0120JMT	1V,1MHz	12	pF	±5%	0.60	±0.15/±0.10	±0.10	0.16%		(I)
	C2012NP0120JMTSD		1V,1MHz	12	pF	±5%	0.80	±0.15/±0.10	±0.10	0.16%		(I)
	C2012NP0150JMTSC	C2012NP0150JMT	1V,1MHz	15	pF	±5%	0.60	±0.15/±0.10	±0.10	0.14%		(I)
	C2012NP0150JMTSD		1V,1MHz	15	pF	±5%	0.80	±0.15/±0.10	±0.10	0.14%		(I)
	C2012NP0180JMTSC	C2012NP0180JMT	1V,1MHz	18	pF	±5%	0.60	±0.15/±0.10	±0.10	0.13%		(I)
	C2012NP0180JMTSD		1V,1MHz	18	pF	±5%	0.80	±0.15/±0.10	±0.10	0.13%		(I)
	C2012NP0220JMTSC	C2012NP0220JMT	1V,1MHz	22	pF	±5%	0.60	±0.15/±0.10	±0.10	0.12%		(I)
	C2012NP0220JMTSD		1V,1MHz	22	pF	±5%	0.80	±0.15/±0.10	±0.10	0.12%		(I)
	C2012NP0270JMTSC	C2012NP0270JMT	1V,1MHz	27	pF	±5%	0.60	±0.15/±0.10	±0.10	0.11%		(I)
	C2012NP0270JMTSD		1V,1MHz	27	pF	±5%	0.80	±0.15/±0.10	±0.10	0.11%		(I)
	C2012NP0330JMTSC	C2012NP0330JMT	1V,1MHz	33	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0330JMTSD		1V,1MHz	33	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0390JMTSC	C2012NP0390JMT	1V,1MHz	39	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0390JMTSD		1V,1MHz	39	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0470JMTSC	C2012NP0470JMT	1V,1MHz	47	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0470JMTSD		1V,1MHz	47	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0560JMTSC	C2012NP0560JMT	1V,1MHz	56	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance Value	Capacitance Unit	Available Tolerance	Thick. (mm)	Tolerance(mm) L/W	Tolerance(mm) Thick.	DF (max.)	Standard Packing	Test Spec.
	C2012NP0560JMTSD		1V,1MHz	56	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0680JMTSC	C2012NP0680JMT	1V,1MHz	68	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0680JMTSD		1V,1MHz	68	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0820JMTSD		1V,1MHz	82	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0101JMTSD	C2012NP0101JMT	1V,1MHz	100	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%	Paper,4Kpcs	(I)
630V	C2012NP0121JMTSD		1V,1MHz	120	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0151JMTSD		1V,1MHz	150	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0181JMTSD		1V,1MHz	180	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0221JMPSG	C2012NP0221JMP	1V,1MHz	220	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0471JMPSG	C2012NP0471JMP	1V,1MHz	470	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%	Embossed,3Kpcs	(I)
	C2012NP0102JMPSG	C2012NP0102JMP	1V,1MHz	1.0	nF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0100JLTSC	C2012NP0100JLT	1V,1MHz	10	pF	±5%	0.60	±0.15/±0.10	±0.10	0.17%		(I)
	C2012NP0220JLTSC	C2012NP0220JLT	1V,1MHz	22	pF	±5%	0.60	±0.15/±0.10	±0.10	0.12%	Paper,4Kpcs	(I)
	C2012NP0470JLTSC	C2012NP0470JLT	1V,1MHz	47	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
500V	C2012NP0101JLTSD	C2012NP0101JLT	1V,1MHz	100	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0221JLPSG	C2012NP0221JLP	1V,1MHz	220	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0471JLPSG	C2012NP0471JLP	1V,1MHz	470	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%	Embossed,3Kpcs	(I)
	C2012NP0102JLPSG	C2012NP0102JLP	1V,1MHz	1.0	nF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0100JKTSC	C2012NP0100JKT	1V,1MHz	10	pF	±5%	0.60	±0.15/±0.10	±0.10	0.17%		(I)
	C2012NP0100JKTSD		1V,1MHz	10	pF	±5%	0.80	±0.15/±0.10	±0.10	0.17%		(I)
	C2012NP0120JKTSC	C2012NP0120JKT	1V,1MHz	12	pF	±5%	0.60	±0.15/±0.10	±0.10	0.16%		(I)
	C2012NP0120JKTSD		1V,1MHz	12	pF	±5%	0.80	±0.15/±0.10	±0.10	0.16%		(I)
	C2012NP0150JKTSC	C2012NP0150JKT	1V,1MHz	15	pF	±5%	0.60	±0.15/±0.10	±0.10	0.14%		(I)
	C2012NP0150JKTSD		1V,1MHz	15	pF	±5%	0.80	±0.15/±0.10	±0.10	0.14%		(I)
	C2012NP0180JKTSC	C2012NP0180JKT	1V,1MHz	18	pF	±5%	0.60	±0.15/±0.10	±0.10	0.13%		(I)
	C2012NP0180JKTSD		1V,1MHz	18	pF	±5%	0.80	±0.15/±0.10	±0.10	0.13%		(I)
	C2012NP0220JKTSC	C2012NP0220JKT	1V,1MHz	22	pF	±5%	0.60	±0.15/±0.10	±0.10	0.12%		(I)
	C2012NP0220JKTSD		1V,1MHz	22	pF	±5%	0.80	±0.15/±0.10	±0.10	0.12%		(I)
	C2012NP0270JKTSC	C2012NP0270JKT	1V,1MHz	27	pF	±5%	0.60	±0.15/±0.10	±0.10	0.11%		(I)
	C2012NP0270JKTSD		1V,1MHz	27	pF	±5%	0.80	±0.15/±0.10	±0.10	0.11%		(I)
	C2012NP0330JKTSC	C2012NP0330JKT	1V,1MHz	33	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0330JKTSD		1V,1MHz	33	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%	Paper,4Kpcs	(I)
	C2012NP0390JKTSC	C2012NP0390JKT	1V,1MHz	39	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0390JKTSD		1V,1MHz	39	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0470JKTSC	C2012NP0470JKT	1V,1MHz	47	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0470JKTSD		1V,1MHz	47	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
250V	C2012NP0560JKTSC	C2012NP0560JKT	1V,1MHz	56	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0560JKTSD		1V,1MHz	56	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0680JKTSC	C2012NP0680JKT	1V,1MHz	68	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0680JKTSD		1V,1MHz	68	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0820JKTSC	C2012NP0820JKT	1V,1MHz	82	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0820JKTSD		1V,1MHz	82	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0101JKTSD	C2012NP0101JKT	1V,1MHz	100	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0121JKTSD	C2012NP0121JKT	1V,1MHz	120	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0151JKTSD		1V,1MHz	150	pF	±5%	0.80	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0151JKPSG	C2012NP0151JKP	1V,1MHz	150	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%	Embossed,3Kpcs	(I)
	C2012NP0181JKTSD		1V,1MHz	180	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%	Paper,4Kpcs	(I)
	C2012NP0221JKTSD	C2012NP0221JKT	1V,1MHz	220	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0221JKPSG	C2012NP0221JKP	1V,1MHz	220	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%	Embossed,3Kpcs	(I)
	C2012NP0271JKTSD		1V,1MHz	270	pF	±5%	0.80	±0.15/±0.10	±0.20	0.10%	Paper,4Kpcs	(I)
	C2012NP0271JKPSG	C2012NP0271JKP	1V,1MHz	270	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%	Embossed,3Kpcs	(I)
	C2012NP0331JKTSD		1V,1MHz	330	pF	±5%	0.80	±0.15/±0.10	±0.20	0.10%	Paper,4Kpcs	(I)
	C2012NP0331JKPSG	C2012NP0331JKP	1V,1MHz	330	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0471JKPSG	C2012NP0471JKP	1V,1MHz	470	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%	Embossed,3Kpcs	(I)
	C2012NP0561JKPSG	C2012NP0561JKP	1V,1MHz	560	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)
	C2012NP0220JJTSC	C2012NP0220JJT	1V,1MHz	22	pF	±5%	0.60	±0.15/±0.10	±0.10	0.12%		(I)
200V	C2012NP0270JJTSC	C2012NP0270JKT	1V,1MHz	27	pF	±5%	0.60	±0.15/±0.10	±0.10	0.11%	Paper,4Kpcs	(I)
	C2012NP0221JJTSD	C2012NP0221JJT	1V,1MHz	220	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0471JJPSG	C2012NP0471JJP	1V,1MHz	470	pF	±5%	1.25	±0.15/±0.10	±0.20	0.10%	Embossed,3Kpcs	(I)
	C2012NP0100JHTSC	C2012NP0100JHT	1V,1MHz	10	pF	±5%	0.60	±0.15/±0.10	±0.10	0.17%		(I)
	C2012NP0100JHTSD		1V,1MHz	10	pF	±5%	0.80	±0.15/±0.10	±0.10	0.17%		(I)
	C2012NP0120JHTSC	C2012NP0120JHT	1V,1MHz	12	pF	±5%	0.60	±0.15/±0.10	±0.10	0.16%		(I)
100V	C2012NP0120JHTSD		1V,1MHz	12	pF	±5%	0.80	±0.15/±0.10	±0.10	0.16%	Paper,4Kpcs	(I)
	C2012NP0150JHTSC	C2012NP0150JHT	1V,1MHz	15	pF	±5%	0.60	±0.15/±0.10	±0.10	0.14%		(I)
	C2012NP0150JHTSD		1V,1MHz	15	pF	±5%	0.80	±0.15/±0.10	±0.10	0.14%		(I)
	C2012NP0180JHTSC	C2012NP0180JHT	1V,1MHz	18	pF	±5%	0.60	±0.15/±0.10	±0.10	0.13%		(I)
	C2012NP0180JHTSD		1V,1MHz	18	pF	±5%	0.80	±0.15/±0.10	±0.10	0.13%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C2012NP0200JHTSC	C2012NP0200JHT	1V,1MHz	20	pF	±5%	0.60	±0.15/±0.10	±0.10	0.13%	Paper,4Kpcs	(I)
	C2012NP0200JHTSD		1V,1MHz	20	pF	±5%	0.80	±0.15/±0.10	±0.10	0.13%		(I)
	C2012NP0220JHTSC	C2012NP0220JHT	1V,1MHz	22	pF	±5%	0.60	±0.15/±0.10	±0.10	0.12%		(I)
	C2012NP0220JHTSD		1V,1MHz	22	pF	±5%	0.80	±0.15/±0.10	±0.10	0.12%		(I)
	C2012NP0240JHTSC	C2012NP0240JHT	1V,1MHz	24	pF	±5%	0.60	±0.15/±0.10	±0.10	0.11%		(I)
	C2012NP0240JHTSD		1V,1MHz	24	pF	±5%	0.80	±0.15/±0.10	±0.10	0.11%		(I)
	C2012NP0270JHTSC	C2012NP0270JHT	1V,1MHz	27	pF	±5%	0.60	±0.15/±0.10	±0.10	0.11%		(I)
	C2012NP0270JHTSD		1V,1MHz	27	pF	±5%	0.80	±0.15/±0.10	±0.10	0.11%		(I)
	C2012NP0300JHTSC	C2012NP0300JHT	1V,1MHz	30	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0300JHTSD		1V,1MHz	30	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0330JHTSC	C2012NP0330JHT	1V,1MHz	33	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0330JHTSD		1V,1MHz	33	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0360JHTSC	C2012NP0360JHT	1V,1MHz	36	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0360JHTSD		1V,1MHz	36	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0390JHTSC	C2012NP0390JHT	1V,1MHz	39	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0390JHTSD		1V,1MHz	39	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0430JHTSC	C2012NP0430JHT	1V,1MHz	43	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0430JHTSD		1V,1MHz	43	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0470JHTSC	C2012NP0470JHT	1V,1MHz	47	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0470JHTSD		1V,1MHz	47	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0560JHTSC	C2012NP0560JHT	1V,1MHz	56	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0560JHTSD		1V,1MHz	56	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0620JHTSC	C2012NP0620JHT	1V,1MHz	62	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0620JHTSD		1V,1MHz	62	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0680JHTSC	C2012NP0680JHT	1V,1MHz	68	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0680JHTSD		1V,1MHz	68	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0750JHTSC	C2012NP0750JHT	1V,1MHz	75	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0750JHTSD		1V,1MHz	75	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0820JHTSC	C2012NP0820JHT	1V,1MHz	82	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0820JHTSD		1V,1MHz	82	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0101JHTSC	C2012NP0101JHT	1V,1MHz	100	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0101JHTSD		1V,1MHz	100	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0121JHTSC	C2012NP0121JHT	1V,1MHz	120	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0121JHTSD		1V,1MHz	120	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0131JHTSC	C2012NP0131JHT	1V,1MHz	130	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0151JHTSC	C2012NP0151JHT	1V,1MHz	150	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0151JHTSD		1V,1MHz	150	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0181JHTSC	C2012NP0181JHT	1V,1MHz	180	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0181JHTSD		1V,1MHz	180	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0201JHTSC	C2012NP0201JHT	1V,1MHz	200	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0201JHTSD		1V,1MHz	200	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0221JHTSC	C2012NP0221JHT	1V,1MHz	220	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0221JHTSD		1V,1MHz	220	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0271JHTSC	C2012NP0271JHT	1V,1MHz	270	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0271JHTSD		1V,1MHz	270	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0331JHTSC	C2012NP0331JHT	1V,1MHz	330	pF	±5%	0.60	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0331JHTSD		1V,1MHz	330	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0391JHTSD	C2012NP0391JHT	1V,1MHz	390	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0471JHTSD	C2012NP0471JHT	1V,1MHz	470	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0561JHTSD	C2012NP0561JHT	1V,1MHz	560	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0681JHTSD	C2012NP0681JHT	1V,1MHz	680	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0821JHTSD	C2012NP0821JHT	1V,1MHz	820	pF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0102JHTSD	C2012NP0102JHT	1V,1MHz	1.0	nF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0122JHTSD	C2012NP0122JHT	1V,1kHz	1.2	nF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0152JHTSD	C2012NP0152JHT	1V,1kHz	1.5	nF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0182JHTSD	C2012NP0182JHT	1V,1kHz	1.8	nF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0222JHTSD	C2012NP0222JHT	1V,1kHz	2.2	nF	±5%	0.80	±0.15/±0.10	±0.10	0.10%		(I)
	C2012NP0272JHPSG	C2012NP0272JHP	1V,1kHz	2.7	nF	±5%	1.25	±0.15/±0.10	±0.20	0.10%	Embossed,3Kpcs	(I)
	C2012NP0332JHPSG	C2012NP0332JHP	1V,1kHz	3.3	nF	±5%	1.25	±0.15/±0.10	±0.20	0.10%		(I)

☐ Tolerance Code: J=±5%; Special tolerance on the request.

- C3216NP0 Series (EIA1206)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
2000V	C3216NP0339CQTSD	C3216NP0339CQT	1V,1MHz	3.3	pF	±0.25pF	0.80	±0.15	±0.10	0.21%	Paper,4Kpcs	(I)
	C3216NP0100JQTSD	C3216NP0100JQT	1V,1MHz	10	pF	±5%	0.80	±0.15	±0.10	0.17%		(I)
	C3216NP0220JQTSD	C3216NP0220JQT	1V,1MHz	22	pF	±5%	0.80	±0.15	±0.10	0.12%		(I)
	C3216NP0270JQPSG	C3216NP0270JQP	1V,1MHz	27	pF	±5%	1.25	±0.15	±0.10	0.11%	Embossed,3Kpcs	(I)
	C3216NP0330JQPSG	C3216NP0330JQP	1V,1MHz	33	pF	±5%	1.25	±0.15	±0.10	0.10%		(I)
	C3216NP0470JQPSG	C3216NP0470JQP	1V,1MHz	47	pF	±5%	1.25	±0.15	±0.10	0.10%		(I)
	C3216NP0680JQPSG	C3216NP0680JQP	1V,1MHz	68	pF	±5%	1.25	±0.15	±0.10	0.10%		(I)
	C3216NP0101JQPSG	C3216NP0101JQP	1V,1MHz	100	pF	±5%	1.25	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0221JQPSL	C3216NP0221JQP	1V,1MHz	220	pF	±5%	1.60	±0.20	±0.20	0.10%	Embossed,2Kpcs	(I)
1000V	C3216NP0100JPTSD	C3216NP0100JPT	1V,1MHz	10	pF	±5%	0.80	±0.15	±0.10	0.17%	Paper,4Kpcs	(I)
	C3216NP0120JPTSD	C3216NP0120JPT	1V,1MHz	12	pF	±5%	0.80	±0.15	±0.10	0.16%		(I)
	C3216NP0150JPTSD	C3216NP0150JPT	1V,1MHz	15	pF	±5%	0.80	±0.15	±0.10	0.14%		(I)
	C3216NP0180JPTSD	C3216NP0180JPT	1V,1MHz	18	pF	±5%	0.80	±0.15	±0.10	0.13%		(I)
	C3216NP0220JPTSD	C3216NP0220JPT	1V,1MHz	22	pF	±5%	0.80	±0.15	±0.10	0.12%		(I)
	C3216NP0220JPPSG	C3216NP0220JPP	1V,1MHz	22	pF	±5%	1.25	±0.15	±0.10	0.12%	Embossed,3Kpcs	(I)
	C3216NP0270JPTSD	C3216NP0270JPT	1V,1MHz	27	pF	±5%	0.80	±0.15	±0.10	0.11%	Paper,4Kpcs	(I)
	C3216NP0270JPPSG	C3216NP0270JPP	1V,1MHz	27	pF	±5%	1.25	±0.15	±0.10	0.11%	Embossed,3Kpcs	(I)
	C3216NP0330JPTSD	C3216NP0330JPT	1V,1MHz	33	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0330JPPSG	C3216NP0330JPP	1V,1MHz	33	pF	±5%	1.25	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0390JPTSD	C3216NP0390JPT	1V,1MHz	39	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0470JPTSD	C3216NP0470JPT	1V,1MHz	47	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0470JPPSG	C3216NP0470JPP	1V,1MHz	47	pF	±5%	1.25	±0.15	±0.20	0.10%	Embossed,3Kpcs	(I)
	C3216NP0560JPTSD	C3216NP0560JPT	1V,1MHz	56	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0680JPTSD	C3216NP0680JPT	1V,1MHz	68	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0820JPTSD	C3216NP0820JPT	1V,1MHz	82	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0820JPPSG	C3216NP0820JPP	1V,1MHz	82	pF	±5%	1.25	±0.15	±0.20	0.10%	Embossed,3Kpcs	(I)
	C3216NP0101JPPSG	C3216NP0101JPP	1V,1MHz	100	pF	±5%	1.25	±0.15	±0.20	0.10%		(I)
	C3216NP0101JPWSG	C3216NP0101JPW	1V,1MHz	100	pF	±5%	1.25	±0.15	±0.20	0.10%	Embossed,2Kpcs	(I)
	C3216NP0121JPPSG	C3216NP0121JPP	1V,1MHz	120	pF	±5%	1.25	±0.15	±0.20	0.10%	Embossed,3Kpcs	(I)
	C3216NP0151JPPSG	C3216NP0151JPP	1V,1MHz	150	pF	±5%	1.25	±0.15	±0.20	0.10%		(I)
	C3216NP0181JPPSL	C3216NP0181JPP	1V,1MHz	180	pF	±5%	1.60	±0.15	±0.20	0.10%	Embossed,2Kpcs	(I)
	C3216NP0221JPPSL	C3216NP0221JPP	1V,1MHz	220	pF	±5%	1.60	±0.15	±0.20	0.10%		(I)
	C3216NP0271JPPSL	C3216NP0271JPP	1V,1MHz	270	pF	±5%	1.60	±0.20	±0.20	0.10%		(I)
	C3216NP0331JPPSL	C3216NP0331JPP	1V,1MHz	330	pF	±5%	1.60	±0.20	±0.20	0.10%		(I)
	C3216NP0391JPPSL	C3216NP0391JPP	1V,1MHz	390	pF	±5%	1.60	±0.20	±0.20	0.10%		(I)
	C3216NP0471JPPSL	C3216NP0471JPP	1V,1MHz	470	pF	±5%	1.60	±0.20	±0.20	0.10%		(I)
	C3216NP0561JPPSL	C3216NP0561JPP	1V,1MHz	560	pF	±5%	1.60	±0.20	±0.20	0.10%		(I)
	C3216NP0102JPPSL	C3216NP0102JPP	1V,1MHz	1.0	nF	±5%	1.60	±0.20	±0.20	0.10%		(I)
630V	C3216NP0100JMTSD	C3216NP0100JMT	1V,1MHz	10	pF	±5%	0.80	±0.15	±0.10	0.17%	Paper,4Kpcs	(I)
	C3216NP0150JMTSD	C3216NP0150JMT	1V,1MHz	15	pF	±5%	0.80	±0.15	±0.10	0.14%		(I)
	C3216NP0220JMTSD	C3216NP0220JMT	1V,1MHz	22	pF	±5%	0.80	±0.15	±0.10	0.12%		(I)
	C3216NP0270JMTSD	C3216NP0270JMT	1V,1MHz	27	pF	±5%	0.80	±0.15	±0.10	0.11%		(I)
	C3216NP0270JMPSG	C3216NP0270JMP	1V,1MHz	27	pF	±5%	1.25	±0.15	±0.10	0.11%	Embossed,3Kpcs	(I)
	C3216NP0330JMTSD	C3216NP0330JMT	1V,1MHz	33	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0330JMPSG	C3216NP0330JMP	1V,1MHz	33	pF	±5%	1.25	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0470JMTSD	C3216NP0470JMT	1V,1MHz	47	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0560JMTSD	C3216NP0560JMT	1V,1MHz	56	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0680JMTSD	C3216NP0680JMT	1V,1MHz	68	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0820JMTSD	C3216NP0820JMT	1V,1MHz	82	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0101JMTSD	C3216NP0101JMT	1V,1MHz	100	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0121JMTSD	C3216NP0121JMT	1V,1MHz	120	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0151JMTSD	C3216NP0151JMT	1V,1MHz	150	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0181JMTSD	C3216NP0181JMT	1V,1MHz	180	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0221JMTSD	C3216NP0221JMT	1V,1MHz	220	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0271JMTSD	C3216NP0271JMT	1V,1MHz	270	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0271JMPSI	C3216NP0271JMP	1V,1MHz	270	pF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0331JMTSD	C3216NP0331JMT	1V,1MHz	330	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0331JMPSI	C3216NP0331JMP	1V,1MHz	330	pF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0391JMTSD	C3216NP0391JMT	1V,1MHz	390	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0391JMPSI	C3216NP0391JMP	1V,1MHz	390	pF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0471JMTSD	C3216NP0471JMT	1V,1MHz	470	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0471JMPSI	C3216NP0471JMP	1V,1MHz	470	pF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0681JMPSL	C3216NP0681JMP	1V,1MHz	680	pF	±5%	1.60	±0.30/±0.20	±0.20	0.10%	Embossed,2Kpcs	(I)
	C3216NP0102JMPSL	C3216NP0102JMP	1V,1MHz	1.0	nF	±5%	1.60	±0.30/±0.20	±0.20	0.10%		(I)
	C3216NP0222JMPSL	C3216NP0222JMP	1V,1kHz	2.2	nF	±5%	1.60	±0.30/±0.20	±0.20	0.10%		(I)

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance Value	Capacitance Unit	Available Tolerance	Thick. (mm)	Tolerance(mm) L/W	Tolerance(mm) Thick.	DF (max.)	Standard Packing	Test Spec.
500V	C3216NP0100JLTSD	C3216NP0100JLT	1V,1MHz	10	pF	±5%	0.80	±0.15	±0.10	0.17%	Paper,4Kpcs	(I)
	C3216NP0220JLTSD	C3216NP0220JLT	1V,1MHz	22	pF	±5%	0.80	±0.15	±0.10	0.12%		(I)
	C3216NP0270JLTSD	C3216NP0270JLT	1V,1MHz	27	pF	±5%	0.80	±0.15	±0.10	0.11%		(I)
	C3216NP0470JLTSD	C3216NP0470JLT	1V,1MHz	47	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0101JLTSD	C3216NP0101JLT	1V,1MHz	100	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0221JLTSD	C3216NP0221JLT	1V,1MHz	220	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0471JLTSD	C3216NP0471JLT	1V,1MHz	470	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0471JLPSI	C3216NP0471JLP	1V,1MHz	470	pF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0102JLPSL	C3216NP0102JLP	1V,1MHz	1.0	nF	±5%	1.60	±0.30/±0.20	±0.20	0.10%	Embossed,2Kpcs	(I)
	C3216NP0222JLPSL	C3216NP0222JLP	1V,1MHz	2.2	nF	±5%	1.60	±0.30/±0.20	±0.20	0.10%		(I)
250V	C3216NP0121JKTSD	C3216NP0121JKT	1V,1MHz	120	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0151JKTSD	C3216NP0151JKT	1V,1MHz	150	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0181JKTSD	C3216NP0181JKT	1V,1MHz	180	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0221JKTSD	C3216NP0221JKT	1V,1MHz	220	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0271JKTSD	C3216NP0271JKT	1V,1MHz	270	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0271JKPSI	C3216NP0271JKP	1V,1MHz	270	pF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0331JKTSD	C3216NP0331JKT	1V,1MHz	330	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0331JKPSI	C3216NP0331JKP	1V,1MHz	330	pF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0391JKTSD	C3216NP0391JKT	1V,1MHz	390	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0391JKPSI	C3216NP0391JKP	1V,1MHz	390	pF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0471JKTSD	C3216NP0471JKT	1V,1MHz	470	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0471JKPSI	C3216NP0471JKP	1V,1MHz	470	pF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0102JKPSL	C3216NP0102JKP	1V,1MHz	1.0	nF	±5%	1.60	±0.30/±0.20	±0.20	0.10%	Embossed,2Kpcs	(I)
200V	C3216NP0101JJTSD	C3216NP0101JJT	1V,1MHz	100	pF	±5%	0.80	±0.15	±0.10	0.10%	Paper,4Kpcs	(I)
	C3216NP0221JJTSD	C3216NP0221JJT	1V,1MHz	220	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0102JJPSI	C3216NP0102JJP	1V,1MHz	1.0	nF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0102JJPSL		1V,1MHz	1.0	nF	±5%	1.60	±0.30/±0.20	±0.20	0.10%	Embossed,2Kpcs	(I)
100V	C3216NP0100JHTSD	C3216NP0100JHT	1V,1MHz	10	pF	±5%	0.80	±0.15	±0.10	0.17%	Paper,4Kpcs	(I)
	C3216NP0120JHTSD	C3216NP0120JHT	1V,1MHz	12	pF	±5%	0.80	±0.15	±0.10	0.16%		(I)
	C3216NP0150JHTSD	C3216NP0150JHT	1V,1MHz	15	pF	±5%	0.80	±0.15	±0.10	0.14%		(I)
	C3216NP0180JHTSD	C3216NP0180JHT	1V,1MHz	18	pF	±5%	0.80	±0.15	±0.10	0.13%		(I)
	C3216NP0220JHTSD	C3216NP0220JHT	1V,1MHz	22	pF	±5%	0.80	±0.15	±0.10	0.12%		(I)
	C3216NP0270JHTSD	C3216NP0270JHT	1V,1MHz	27	pF	±5%	0.80	±0.15	±0.10	0.11%		(I)
	C3216NP0330JHTSD	C3216NP0330JHT	1V,1MHz	33	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0390JHTSD	C3216NP0390JHT	1V,1MHz	39	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0470JHTSD	C3216NP0470JHT	1V,1MHz	47	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0560JHTSD	C3216NP0560JHT	1V,1MHz	56	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0680JHTSD	C3216NP0680JHT	1V,1MHz	68	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0820JHTSD	C3216NP0820JHT	1V,1MHz	82	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0101JHTSD	C3216NP0101JHT	1V,1MHz	100	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0121JHTSD	C3216NP0121JHT	1V,1MHz	120	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0151JHTSD	C3216NP0151JHT	1V,1MHz	150	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0181JHTSD	C3216NP0181JHT	1V,1MHz	180	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0221JHTSD	C3216NP0221JHT	1V,1MHz	220	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0271JHTSD	C3216NP0271JHT	1V,1MHz	270	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0331JHTSD	C3216NP0331JHT	1V,1MHz	330	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0391JHTSD	C3216NP0391JHT	1V,1MHz	390	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0471JHTSD	C3216NP0471JHT	1V,1MHz	470	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0561JHTSD	C3216NP0561JHT	1V,1MHz	560	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0681JHTSD	C3216NP0681JHT	1V,1MHz	680	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0821JHTSD	C3216NP0821JHT	1V,1MHz	820	pF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0102JHTSD	C3216NP0102JHT	1V,1MHz	1.0	nF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0122JHTSD	C3216NP0122JHT	1V,1kHz	1.2	nF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0152JHTSD	C3216NP0152JHT	1V,1kHz	1.5	nF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0182JHTSD	C3216NP0182JHT	1V,1kHz	1.8	nF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0222JHTSD	C3216NP0222JHT	1V,1kHz	2.2	nF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0272JHTSD	C3216NP0272JHT	1V,1kHz	2.7	nF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0332JHTSD	C3216NP0332JHT	1V,1kHz	3.3	nF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0392JHTSD	C3216NP0392JHT	1V,1kHz	3.9	nF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0472JHTSD	C3216NP0472JHT	1V,1kHz	4.7	nF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0562JHTSD	C3216NP0562JHT	1V,1kHz	5.6	nF	±5%	0.80	±0.15	±0.10	0.10%		(I)
	C3216NP0682JHPSI	C3216NP0682JHP	1V,1kHz	6.8	nF	±5%	0.95	±0.15	±0.10	0.10%	Embossed,3Kpcs	(I)
	C3216NP0682JHPSG		1V,1kHz	6.8	nF	±5%	1.25	±0.15	±0.20	0.10%		(I)
	C3216NP0822JHPSG	C3216NP0822JHP	1V,1kHz	8.2	nF	±5%	1.25	±0.15	±0.20	0.10%		(I)
	C3216NP0103JHPSG	C3216NP0103JHP	1V,1kHz	10	nF	±5%	1.25	±0.15	±0.20	0.10%		(I)
	C3216NP0333JHTSD	C3216NP0333JHT	1V,1kHz	33	nF	±5%	0.80	±0.15	±0.15	0.10%	Paper,4Kpcs	(I)
	C3216NP0104JHPSL	C3216NP0104JHP	1V,1kHz	100	nF	±5%	1.60	±0.30	±0.30	0.10%	Embossed,2Kpcs	(II)

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

C3225NP0 Series (EIA1210)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
1000V	C3225NP0331JPPSL	C3225NP0331JPP	1V,1MHz	330	pF	±5%	1.60	±0.40/±0.30	±0.20	0.10%	Embossed,2Kpcs	(I)
250V	C3225NP0103JKPSL	C3225NP0103JKP	1V,1kHz	10	nF	±5%	1.60	±0.40/±0.30	±0.20	0.10%	Embossed,2Kpcs	(I)

C4520NP0 Series (EIA1808)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
3000V	C4520NP0509DRPSG	C4520NP0509DRP	1V,1MHz	5.0	pF	±0.5pF	1.25	+0.5-0.3/±0.3	±0.20	0.20%	Embossed,2Kpcs	(I)
	C4520NP0470JRPSG	C4520NP0470JRP	1V,1MHz	47	pF	±5%	1.25	+0.5-0.3/±0.3	±0.20	0.10%		(I)
	C4520NP0560☐RPSG	C4520NP0560☐RP	1V,1MHz	56	pF	±5%,±2%	1.25	+0.5-0.3/±0.3	±0.20	0.10%		(I)
	C4520NP0101JRPSL	C4520NP0101JRP	1V,1MHz	100	pF	±5%	1.60	+0.5-0.3/±0.3	±0.20	0.10%		(I)
2000V	C4520NP0180JQPSG	C4520NP0180JQP	1V,1MHz	18	pF	±5%	1.25	+0.5-0.3/±0.3	±0.20	0.13%	Embossed,2Kpcs	(I)
	C4520NP0101JQPSG	C4520NP0101JQP	1V,1MHz	100	pF	±5%	1.25	+0.5-0.3/±0.3	±0.20	0.10%		(I)
	C4520NP0681JQPSN	C4520NP0681JQP	1V,1MHz	680	pF	±5%	2.00	+0.5-0.3/±0.3	±0.20	0.10%	Embossed,1Kpcs	(I)
1000V	C4520NP0330JPPSG	C4520NP0330JPP	1V,1MHz	33	pF	±5%	1.25	+0.5-0.3/±0.3	±0.20	0.10%	Embossed,2Kpcs	(I)
	C4520NP0681JPPSN	C4520NP0681JPP	1V,1MHz	680	pF	±5%	2.00	+0.5-0.3/±0.3	±0.20	0.10%	Embossed,1Kpcs	(I)
250V	C4520NP0151JKPSG	C4520NP0151JKP	1V,1MHz	150	pF	±5%	1.25	+0.5-0.3/±0.3	±0.20	0.10%	Embossed,2Kpcs	(I)

☐ Tolerance Code: C=±0.25pF ,D=±0.5pF, G=±2%, J=±5%; Special tolerance on the request.

■ X7R Series

● C1005X7R Series (EIA0402)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C1005X7R101KHTS	C1005X7R101KHT	1V ,1kHz	100	pF	±10%	0.50	±0.05	±0.05	3.0%	Paper,10Kpcs	(I)
	C1005X7R121KHTS	C1005X7R121KHT	1V ,1kHz	120	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R151KHTS	C1005X7R151KHT	1V ,1kHz	150	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R181KHTS	C1005X7R181KHT	1V ,1kHz	180	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R221KHTS	C1005X7R221KHT	1V ,1kHz	220	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R271KHTS	C1005X7R271KHT	1V ,1kHz	270	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R331KHTS	C1005X7R331KHT	1V ,1kHz	330	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R391KHTS	C1005X7R391KHT	1V ,1kHz	390	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R471KHTS	C1005X7R471KHT	1V ,1kHz	470	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R561KHTS	C1005X7R561KHT	1V ,1kHz	560	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R681KHTS	C1005X7R681KHT	1V ,1kHz	680	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R821KHTS	C1005X7R821KHT	1V ,1kHz	820	pF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R102KHTS	C1005X7R102KHT	1V ,1kHz	1.0	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R122KHTS	C1005X7R122KHT	1V ,1kHz	1.2	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R152KHTS	C1005X7R152KHT	1V ,1kHz	1.5	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R182KHTS	C1005X7R182KHT	1V ,1kHz	1.8	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R222KHTS	C1005X7R222KHT	1V ,1kHz	2.2	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R272KHTS	C1005X7R272KHT	1V ,1kHz	2.7	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R332KHTS	C1005X7R332KHT	1V ,1kHz	3.3	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R392KHTS	C1005X7R392KHT	1V ,1kHz	3.9	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R472KHTS	C1005X7R472KHT	1V ,1kHz	4.7	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R562KHTS	C1005X7R562KHT	1V ,1kHz	5.6	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R682KHTS	C1005X7R682KHT	1V ,1kHz	6.8	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)
	C1005X7R103KHTS	C1005X7R103KHT	1V ,1kHz	10	nF	±10%	0.50	±0.05	±0.05	3.0%		(I)

● C1608X7R Series (EIA0603)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
250V	C1608X7R101KKTS	C1608X7R101KKT	1V, 1kHz	100	pF	±10%	0.80	±0.10	±0.10	2.5%	Paper, 4Kpcs	(I)
	C1608X7R121KKTS	C1608X7R121KKT	1V, 1kHz	120	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R151KKTS	C1608X7R151KKT	1V, 1kHz	150	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R181KKTS	C1608X7R181KKT	1V, 1kHz	180	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R221KKTS	C1608X7R221KKT	1V, 1kHz	220	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R271KKTS	C1608X7R271KKT	1V, 1kHz	270	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R331KKTS	C1608X7R331KKT	1V, 1kHz	330	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R391KKTS	C1608X7R391KKT	1V, 1kHz	390	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R471KKTS	C1608X7R471KKT	1V, 1kHz	470	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R561KKTS	C1608X7R561KKT	1V, 1kHz	560	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R681KKTS	C1608X7R681KKT	1V, 1kHz	680	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R821KKTS	C1608X7R821KKT	1V, 1kHz	820	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R102KKTS	C1608X7R102KKT	1V, 1kHz	1.0	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R122KKTS	C1608X7R122KKT	1V, 1kHz	1.2	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R152KKTS	C1608X7R152KKT	1V, 1kHz	1.5	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R182KKTS	C1608X7R182KKT	1V, 1kHz	1.8	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R222KKTS	C1608X7R222KKT	1V, 1kHz	2.2	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R272KKTS	C1608X7R272KKT	1V, 1kHz	2.7	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R332KKTS	C1608X7R332KKT	1V, 1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R392KKTS	C1608X7R392KKT	1V, 1kHz	3.9	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R472KKTS	C1608X7R472KKT	1V, 1kHz	4.7	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R562KKTS	C1608X7R562KKT	1V, 1kHz	5.6	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R682KKTS	C1608X7R682KKT	1V, 1kHz	6.8	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R103KKTS	C1608X7R103KKT	1V, 1kHz	10	nF	±10%	0.80	±0.15	±0.15	2.5%		(I)
200V	C1608X7R331KJTS	C1608X7R331KJT	1V, 1kHz	330	pF	±10%	0.80	±0.10	±0.10	2.5%	Paper, 4Kpcs	(I)
	C1608X7R821KJTS	C1608X7R821KJT	1V, 1kHz	820	pF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R332KJTS	C1608X7R332KJT	1V, 1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R472KJTS	C1608X7R472KJT	1V, 1kHz	4.7	nF	±10%	0.80	±0.10	±0.10	2.5%		(I)
	C1608X7R103KJTS	C1608X7R103KJT	1V, 1kHz	10	nF	±10%	0.80	±0.15	±0.15	2.5%		(I)
100V	C1608X7R101KHTS	C1608X7R101KHT	1V , 1kHz	100	pF	±10%	0.80	±0.10	±0.10	3.0%	Paper, 4Kpcs	(I)
	C1608X7R121KHTS	C1608X7R121KHT	1V , 1kHz	120	pF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R151KHTS	C1608X7R151KHT	1V , 1kHz	150	pF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R181KHTS	C1608X7R181KHT	1V , 1kHz	180	pF	±10%	0.80	±0.10	±0.10	3.0%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C1608X7R221KHTS	C1608X7R221KHT	1V , 1kHz	220	pF	±10%	0.80	±0.10	±0.10	3.0%	Paper, 4Kpcs	(I)
	C1608X7R271KHTS	C1608X7R271KHT	1V , 1kHz	270	pF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R331KHTS	C1608X7R331KHT	1V , 1kHz	330	pF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R391KHTS	C1608X7R391KHT	1V , 1kHz	390	pF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R471KHTS	C1608X7R471KHT	1V , 1kHz	470	pF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R561KHTS	C1608X7R561KHT	1V , 1kHz	560	pF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R681KHTS	C1608X7R681KHT	1V , 1kHz	680	pF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R821KHTS	C1608X7R821KHT	1V , 1kHz	820	pF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R102KHTS	C1608X7R102KHT	1V , 1kHz	1.0	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R122KHTS	C1608X7R122KHT	1V , 1kHz	1.2	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R152KHTS	C1608X7R152KHT	1V , 1kHz	1.5	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R182KHTS	C1608X7R182KHT	1V , 1kHz	1.8	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R222KHTS	C1608X7R222KHT	1V , 1kHz	2.2	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R272KHTS	C1608X7R272KHT	1V , 1kHz	2.7	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R332KHTS	C1608X7R332KHT	1V , 1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R392KHTS	C1608X7R392KHT	1V , 1kHz	3.9	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R472KHTS	C1608X7R472KHT	1V , 1kHz	4.7	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R562KHTS	C1608X7R562KHT	1V , 1kHz	5.6	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R682KHTS	C1608X7R682KHT	1V , 1kHz	6.8	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R822KHTS	C1608X7R822KHT	1V , 1kHz	8.2	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R103KHTS	C1608X7R103KHT	1V , 1kHz	10	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R153KHTS	C1608X7R153KHT	1V , 1kHz	15	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R223KHTS	C1608X7R223KHT	1V , 1kHz	22	nF	±10%	0.80	±0.10	±0.10	3.0%		(I)
	C1608X7R333KHTS	C1608X7R333KHT	1V , 1kHz	33	nF	±10%	0.80	±0.15	±0.15	3.0%		(I)
	C1608X7R393KHTS	C1608X7R393KHT	1V , 1kHz	39	nF	±10%	0.80	±0.15	±0.15	3.0%		(I)
	C1608X7R473KHTS	C1608X7R473KHT	1V , 1kHz	47	nF	±10%	0.80	±0.15	±0.15	3.0%		(I)
	C1608X7R563KHTS	C1608X7R563KHT	1V , 1kHz	56	nF	±10%	0.80	±0.15	±0.15	5.0%		(I)
	C1608X7R683KHTS	C1608X7R683KHT	1V , 1kHz	68	nF	±10%	0.80	±0.15	±0.15	5.0%		(I)
	C1608X7R823KHTS	C1608X7R823KHT	1V , 1kHz	82	nF	±10%	0.80	±0.15	±0.15	5.0%		(I)
	C1608X7R104☐HTS	C1608X7R104☐HT	1V , 1kHz	100	nF	±10%, ±20%	0.80	±0.15	±0.15	10.0%		(I)

☐ Tolerance Code: J=±5%, K=±10%, M=±20%; Special tolerance on the request.

● C2012X7R Series (EIA0805)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
1000V	C2012X7R101☐PTSD	C2012X7R101☐PT	1V,1kHz	100	pF	±10%,±20%	0.80	±0.15	±0.10	2.5%	Paper,4Kpcs	(I)
630V	C2012X7R101KMTSD	C2012X7R101KMT	1V,1kHz	100	pF	±10%	0.80	±0.15	±0.10	2.5%	Paper,4Kpcs	(I)
	C2012X7R151KMTSD	C2012X7R151KMT	1V,1kHz	150	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R181KMTSD	C2012X7R181KMT	1V,1kHz	180	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R221KMTSD	C2012X7R221KMT	1V,1kHz	220	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R271KMTSD	C2012X7R271KMT	1V,1kHz	270	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R331KMTSD	C2012X7R331KMT	1V,1kHz	330	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R391KMTSD	C2012X7R391KMT	1V,1kHz	390	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R471KMTSD	C2012X7R471KMT	1V,1kHz	470	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R561KMTSD	C2012X7R561KMT	1V,1kHz	560	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R681KMTSD	C2012X7R681KMT	1V,1kHz	680	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R821KMTSD	C2012X7R821KMT	1V,1kHz	820	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R102KMTSD	C2012X7R102KMT	1V,1kHz	1.0	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R122KMTSD	C2012X7R122KMT	1V,1kHz	1.2	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R152KMTSD	C2012X7R152KMT	1V,1kHz	1.5	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R182KMTSD	C2012X7R182KMT	1V,1kHz	1.8	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R222KMTSD	C2012X7R222KMT	1V,1kHz	2.2	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R272KMTSD	C2012X7R272KMT	1V,1kHz	2.7	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R332KMTSD	C2012X7R332KMT	1V,1kHz	3.3	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R472KMPSG	C2012X7R472KMP	1V,1kHz	4.7	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C2012X7R103KMPSG	C2012X7R103KMP	1V,1kHz	10	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C2012X7R223KMPSG	C2012X7R223KMP	1V,1kHz	22	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
500V	C2012X7R101KLTSD	C2012X7R101KLT	1V,1kHz	100	pF	±10%	0.80	±0.15	±0.10	2.5%	Paper,4Kpcs	(I)
	C2012X7R181KLTSD	C2012X7R181KLT	1V,1kHz	180	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R221KLTSD	C2012X7R221KLT	1V,1kHz	220	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R271KLTSD	C2012X7R271KLT	1V,1kHz	270	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R331KLTSD	C2012X7R331KLT	1V,1kHz	330	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R471KLTSD	C2012X7R471KLT	1V,1kHz	470	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R561KLTSD	C2012X7R561KLT	1V,1kHz	560	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R681KLTSD	C2012X7R681KLT	1V,1kHz	680	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
500V	C2012X7R102KLTSD	C2012X7R102KLT	1V,1kHz	1.0	nF	±10%	0.80	±0.15	±0.10	2.5%	Paper,4Kpcs	(I)
	C2012X7R222KLTSD	C2012X7R222KLT	1V,1kHz	2.2	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R272KLTSD	C2012X7R272KLT	1V,1kHz	2.7	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R472KLPSG	C2012X7R472KLP	1V,1kHz	4.7	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C2012X7R103KLPSG	C2012X7R103KLP	1V,1kHz	10	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C2012X7R223KLPSG	C2012X7R223KLP	1V,1kHz	22	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
250V	C2012X7R121KKTSD	C2012X7R121KKT	1V,1kHz	120	pF	±10%	0.80	±0.15	±0.10	2.5%	Paper,4Kpcs	(I)
	C2012X7R181KKTSD	C2012X7R181KKT	1V,1kHz	180	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R221KKTSD	C2012X7R221KKT	1V,1kHz	220	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R331KKTSD	C2012X7R331KKT	1V,1kHz	330	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R471KKTSD	C2012X7R471KKT	1V,1kHz	470	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R561KKTSD	C2012X7R561KKT	1V,1kHz	560	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R681KKTSD	C2012X7R681KKT	1V,1kHz	680	pF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R102KKTSD	C2012X7R102KKT	1V,1kHz	1.0	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R152KKTSD	C2012X7R152KKT	1V,1kHz	1.5	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R222□KTSD	C2012X7R222□KT	1V,1kHz	2.2	nF	±10%,±5%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R332KKTSD	C2012X7R332KKT	1V,1kHz	3.3	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R392KKTSD	C2012X7R392KKT	1V,1kHz	3.9	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R472KKTSD	C2012X7R472KKT	1V,1kHz	4.7	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R562KKPSG	C2012X7R562KKP	1V,1kHz	5.6	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C2012X7R682KKPSG	C2012X7R682KKP	1V,1kHz	6.8	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C2012X7R822KKPSG	C2012X7R822KKP	1V,1kHz	8.2	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C2012X7R103KKPSG	C2012X7R103KKP	1V,1kHz	10	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C2012X7R123KKPSG	C2012X7R123KKP	1V,1kHz	12	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C2012X7R153KKPSG	C2012X7R153KKP	1V,1kHz	15	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C2012X7R223KKPSG	C2012X7R223KKP	1V,1kHz	22	nF	±10%	1.25	±0.20	±0.20	2.5%		(I)
	C2012X7R333KKPSG	C2012X7R333KKP	1V,1kHz	33	nF	±10%	1.25	±0.20	±0.20	2.5%		(I)
200V	C2012X7R221KJTSD	C2012X7R221KJT	1V,1kHz	220	pF	±10%	0.80	±0.15	±0.10	2.5%	Paper,4Kpcs	(I)
	C2012X7R102KJTSD	C2012X7R102KJT	1V,1kHz	1.0	nF	±10%	0.80	±0.15	±0.10	2.5%		(I)
	C2012X7R103KJPSG	C2012X7R103KJP	1V,1kHz	10	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C2012X7R223KJPSG	C2012X7R223KJP	1V,1kHz	22	nF	±10%	1.25	±0.20	±0.20	2.5%		(I)
100V	C2012X7R151KHTSD	C2012X7R151KHT	1V ,1kHz	150	pF	±10%	0.80	±0.15	±0.10	3.0%	Paper,4Kpcs	(I)
	C2012X7R181KHTSD	C2012X7R181KHT	1V ,1kHz	180	pF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R221□HTSD	C2012X7R221□HT	1V ,1kHz	220	pF	±5%,±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R271KHTSD	C2012X7R271KHT	1V ,1kHz	270	pF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R331KHTSD	C2012X7R331KHT	1V ,1kHz	330	pF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R391KHTSD	C2012X7R391KHT	1V ,1kHz	390	pF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R471KHTSD	C2012X7R471KHT	1V ,1kHz	470	pF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R561KHTSD	C2012X7R561KHT	1V ,1kHz	560	pF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R681KHTSD	C2012X7R681KHT	1V ,1kHz	680	pF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R821KHTSD	C2012X7R821KHT	1V ,1kHz	820	pF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R102KHTSD	C2012X7R102KHT	1V ,1kHz	1.0	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R122KHTSD	C2012X7R122KHT	1V ,1kHz	1.2	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R152KHTSD	C2012X7R152KHT	1V ,1kHz	1.5	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R182KHTSD	C2012X7R182KHT	1V ,1kHz	1.8	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R222KHTSD	C2012X7R222KHT	1V ,1kHz	2.2	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R272KHTSD	C2012X7R272KHT	1V ,1kHz	2.7	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R332KHTSD	C2012X7R332KHT	1V ,1kHz	3.3	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R392KHTSD	C2012X7R392KHT	1V ,1kHz	3.9	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R472KHTSD	C2012X7R472KHT	1V ,1kHz	4.7	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R562KHTSD	C2012X7R562KHT	1V ,1kHz	5.6	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R682KHTSD	C2012X7R682KHT	1V ,1kHz	6.8	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R822KHTSD	C2012X7R822KHT	1V ,1kHz	8.2	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R103KHTSD	C2012X7R103KHT	1V ,1kHz	10	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R123KHTSD	C2012X7R123KHT	1V ,1kHz	12	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R153KHTSD	C2012X7R153KHT	1V ,1kHz	15	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R183KHTSD	C2012X7R183KHT	1V ,1kHz	18	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R223KHTSD	C2012X7R223KHT	1V ,1kHz	22	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R333KHTSD	C2012X7R333KHT	1V ,1kHz	33	nF	±10%	0.80	±0.15	±0.10	3.0%		(I)
	C2012X7R333KHPSG	C2012X7R333KHP	1V ,1kHz	33	nF	±10%	1.25	±0.15/±0.10	±0.10	2.5%	Embossed,3Kpcs	(I)
	C2012X7R393KHPSG	C2012X7R393KHP	1V ,1kHz	39	nF	±10%	1.25	±0.15/±0.10	±0.10	2.5%		(I)
	C2012X7R473KHPSG	C2012X7R473KHP	1V ,1kHz	47	nF	±10%	1.25	±0.15/±0.10	±0.10	2.5%		(I)
	C2012X7R473KHWSG		1V ,1kHz	47	nF	±10%	1.25	±0.15/±0.10	±0.10	2.5%	Embossed,2Kpcs	(I)
	C2012X7R563KHPSG	C2012X7R563KHP	1V ,1kHz	56	nF	±10%	1.25	±0.15/±0.10	±0.10	2.5%	Embossed,3Kpcs	(I)
	C2012X7R683KHPSG	C2012X7R683KHP	1V ,1kHz	68	nF	±10%	1.25	±0.15/±0.10	±0.10	2.5%		(I)
	C2012X7R823KHPSG	C2012X7R823KHP	1V ,1kHz	82	nF	±10%	1.25	±0.15/±0.10	±0.10	2.5%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C2012X7R104KHPSG	C2012X7R104KHP	1V ,1kHz	100	nF	±10%	1.25	±0.20	±0.20	5.0%	Embossed,3Kpcs	(I)
	C2012X7R154KHPSG	C2012X7R154KHP	1V ,1kHz	150	nF	±10%	1.25	±0.20	±0.20	5.0%		(I)
	C2012X7R224KHPSG	C2012X7R224KHP	1V ,1kHz	220	nF	±10%	1.25	±0.20	±0.20	5.0%		(I)
	C2012X7R474KHPSG	C2012X7R474KHP	1V ,1kHz	470	nF	±10%	1.25	±0.20	±0.20	5.0%		(II)

☐ Tolerance Code: K=±10%, M=±20%; Special tolerance on the request.

● C3216X7R Series (EIA1206)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
2000V	C3216X7R101KQPSG	C3216X7R101KQP	1V,1kHz	100	pF	±10%	1.25	±0.30	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R151KQPSG	C3216X7R151KQP	1V,1kHz	150	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R181KQPSG	C3216X7R181KQP	1V,1kHz	180	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R221KQPSG	C3216X7R221KQP	1V,1kHz	220	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R271KQPSG	C3216X7R271KQP	1V,1kHz	270	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R331KQPSG	C3216X7R331KQP	1V,1kHz	330	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R391KQPSG	C3216X7R391KQP	1V,1kHz	390	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R471KQPSG	C3216X7R471KQP	1V,1kHz	470	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R561KQPSG	C3216X7R561KQP	1V,1kHz	560	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R681KQPSG	C3216X7R681KQP	1V,1kHz	680	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R821KQPSG	C3216X7R821KQP	1V,1kHz	820	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R821KQPSL	C3216X7R821KQP	1V,1kHz	820	pF	±10%	1.60	±0.30	±0.20	2.5%	Embossed,2Kpcs	(I)
	C3216X7R102☐QPSG	C3216X7R102☐QP	1V,1kHz	1.0	nF	±10% ,±20%	1.25	±0.30	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R102KQPSL	C3216X7R102KQP	1V,1kHz	1.0	nF	±10%	1.60	±0.30	±0.20	2.5%	Embossed,2Kpcs	(I)
	C3216X7R122KQPSG		1V,1kHz	1.2	nF	±10%	1.25	±0.30	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R122KQPSL	C3216X7R122KQP	1V,1kHz	1.2	nF	±10%	1.60	±0.30	±0.20	2.5%	Embossed,2Kpcs	(I)
	C3216X7R152KQPSG		1V,1kHz	1.5	nF	±10%	1.25	±0.30	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R152KQPSL	C3216X7R152KQP	1V,1kHz	1.5	nF	±10%	1.60	±0.30	±0.20	2.5%	Embossed,2Kpcs	(I)
	C3216X7R182KQPSG		1V,1kHz	1.8	nF	±10%	1.25	±0.30	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R182KQPSL	C3216X7R182KQP	1V,1kHz	1.8	nF	±10%	1.60	±0.30	±0.20	2.5%	Embossed,2Kpcs	(I)
	C3216X7R222☐QPSL	C3216X7R222☐QP	1V,1kHz	2.2	nF	±10% ,±20%	1.60	±0.30	±0.20	2.5%		(I)
	C3216X7R222KQPSG	C3216X7R222KQP	1V,1kHz	2.2	nF	±10%	1.25	±0.30	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R332KQPSG	C3216X7R332KQP	1V,1kHz	3.3	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R472☐QPSL	C3216X7R472☐QP	1V,1kHz	4.7	nF	±10% ,±20%	1.60	±0.30	±0.20	2.5%	Embossed,2Kpcs	(I)
1000V	C3216X7R101☐PPSG	C3216X7R101☐PP	1V,1kHz	100	pF	±5%,±10%	1.25	±0.30	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R151KPPSG	C3216X7R151KPP	1V,1kHz	150	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R181KPPSG	C3216X7R181KPP	1V,1kHz	180	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R221KPPSG	C3216X7R221KPP	1V,1kHz	220	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R271KPPSG	C3216X7R271KPP	1V,1kHz	270	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R331KPPSG	C3216X7R331KPP	1V,1kHz	330	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R391KPPSG	C3216X7R391KPP	1V,1kHz	390	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R471KPPSG	C3216X7R471KPP	1V,1kHz	470	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R561KPPSG	C3216X7R561KPP	1V,1kHz	560	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R681KPPSG	C3216X7R681KPP	1V,1kHz	680	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R821KPPSG	C3216X7R821KPP	1V,1kHz	820	pF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R102☐PPSG	C3216X7R102☐PP	1V,1kHz	1.0	nF	±5%,±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R122KPPSG	C3216X7R122KPP	1V,1kHz	1.2	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R152KPPSG	C3216X7R152KPP	1V,1kHz	1.5	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R182KPPSG	C3216X7R182KPP	1V,1kHz	1.8	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R222KPPSG	C3216X7R222KPP	1V,1kHz	2.2	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R272KPPSG	C3216X7R272KPP	1V,1kHz	2.7	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R332KPPSG	C3216X7R332KPP	1V,1kHz	3.3	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R392KPPSG	C3216X7R392KPP	1V,1kHz	3.9	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R472KPPSG	C3216X7R472KPP	1V,1kHz	4.7	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R562KPPSG	C3216X7R562KPP	1V,1kHz	5.6	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R682KPPSG	C3216X7R682KPP	1V,1kHz	6.8	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R822KPPSG	C3216X7R822KPP	1V,1kHz	8.2	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R103KPPSG	C3216X7R103KPP	1V,1kHz	10	nF	±10%	1.25	±0.30	±0.20	2.5%		(I)
	C3216X7R103KPPSL		1V,1kHz	10	nF	±10%	1.60	±0.30	±0.20	2.5%	Embossed,2Kpcs	(I)
630V	C3216X7R101KMPSG	C3216X7R101KMP	1V,1kHz	100	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R181KMTSE	C3216X7R181KMT	1V,1kHz	180	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R181KMPSG	C3216X7R181KMP	1V,1kHz	180	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R221KMTSE	C3216X7R221KMT	1V,1kHz	220	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R221KMPSG	C3216X7R221KMP	1V,1kHz	220	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R271KMTSE	C3216X7R271KMT	1V,1kHz	270	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R271KMPSG	C3216X7R271KMP	1V,1kHz	270	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
	C3216X7R331KMTSE	C3216X7R331KMT	1V,1kHz	330	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R331KMPSG	C3216X7R331KMP	1V,1kHz	330	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R391KMTSE	C3216X7R391KMT	1V,1kHz	390	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R391KMPSG	C3216X7R391KMP	1V,1kHz	390	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R471KMTSE	C3216X7R471KMT	1V,1kHz	470	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R471KMPSG	C3216X7R471KMP	1V,1kHz	470	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R561KMTSE	C3216X7R561KMT	1V,1kHz	560	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R561KMPSG	C3216X7R561KMP	1V,1kHz	560	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R681KMTSE	C3216X7R681KMT	1V,1kHz	680	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R681KMPSG	C3216X7R681KMP	1V,1kHz	680	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R821KMTSE	C3216X7R821KMT	1V,1kHz	820	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R821KMPSG	C3216X7R821KMP	1V,1kHz	820	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R102KMTSE	C3216X7R102KMT	1V,1kHz	1.0	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R102KMPSG	C3216X7R102KMP	1V,1kHz	1.0	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R122KMPSG	C3216X7R122KMP	1V,1kHz	1.2	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R152KMPSG	C3216X7R152KMP	1V,1kHz	1.5	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R182KMPSG	C3216X7R182KMP	1V,1kHz	1.8	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R222KMPSG	C3216X7R222KMP	1V,1kHz	2.2	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
630V	C3216X7R272KMPSG	C3216X7R272KMP	1V,1kHz	2.7	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R332KMPSG	C3216X7R332KMP	1V,1kHz	3.3	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R392KMPSG	C3216X7R392KMP	1V,1kHz	3.9	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R472KMTSE	C3216X7R472KMT	1V,1kHz	4.7	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(II)
	C3216X7R472KMPSG	C3216X7R472KMP	1V,1kHz	4.7	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R562KMPSG	C3216X7R562KMP	1V,1kHz	5.6	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R682KMPSG	C3216X7R682KMP	1V,1kHz	6.8	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R822KMPSG	C3216X7R822KMP	1V,1kHz	8.2	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R103KMPSG	C3216X7R103KMP	1V,1kHz	10	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R123KMPSG	C3216X7R123KMP	1V,1kHz	12	nF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R123KMPSL		1V,1kHz	12	nF	±10%	1.60	±0.30/±0.20	±0.20	2.5%	Embossed,2Kpcs	(II)
	C3216X7R153KMPSG	C3216X7R153KMP	1V,1kHz	15	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R153KMPSL		1V,1kHz	15	nF	±10%	1.60	±0.30/±0.20	±0.20	2.5%	Embossed,2Kpcs	(II)
	C3216X7R183KMPSG	C3216X7R183KMP	1V,1kHz	18	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(II)
	C3216X7R183KMPSL		1V,1kHz	18	nF	±10%	1.60	±0.30/±0.20	±0.20	2.5%	Embossed,2Kpcs	(II)
	C3216X7R223KMPSL	C3216X7R223KMP	1V,1kHz	22	nF	±10%	1.60	±0.30/±0.20	±0.20	2.5%		(II)
	C3216X7R273KMPSL	C3216X7R273KMP	1V,1kHz	27	nF	±10%	1.60	±0.30/±0.20	±0.20	2.5%	Embossed,2Kpcs	(II)
	C3216X7R333KMPSL	C3216X7R333KMP	1V,1kHz	33	nF	±10%	1.60	±0.30/±0.20	±0.20	2.5%		(II)
	C3216X7R473KMPSL	C3216X7R473KMP	1V,1kHz	47	nF	±10%	1.60	±0.30/±0.20	±0.20	2.5%		(II)
	C3216X7R101KLPSG	C3216X7R101KLP	1V,1kHz	100	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R181KLTSE	C3216X7R181KLT	1V,1kHz	180	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R181KLPSG	C3216X7R181KLP	1V,1kHz	180	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R221KLTSE	C3216X7R221KLT	1V,1kHz	220	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R221KLPSG	C3216X7R221KLP	1V,1kHz	220	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R471KLTSE	C3216X7R471KLT	1V,1kHz	470	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R471KLPSG	C3216X7R471KLP	1V,1kHz	470	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R561KLPSG	C3216X7R561KLP	1V,1kHz	560	pF	±10%	1.25	±0.15	±0.20	2.5%		(II)
	C3216X7R102KLTSE	C3216X7R102KLT	1V,1kHz	1.0	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
500V	C3216X7R102KLPSG	C3216X7R102KLP	1V,1kHz	1.0	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R222KLPSG	C3216X7R222KLP	1V,1kHz	2.2	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C3216X7R272KLPSG	C3216X7R272KLP	1V,1kHz	2.7	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C3216X7R332KLPSG	C3216X7R332KLP	1V,1kHz	3.3	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C3216X7R392KLPSG	C3216X7R392KLP	1V,1kHz	3.9	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R472KLPSG	C3216X7R472KLP	1V,1kHz	4.7	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C3216X7R682KLPSG	C3216X7R682KLP	1V,1kHz	6.8	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C3216X7R103KLPSG	C3216X7R103KLP	1V,1kHz	10	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C3216X7R223KLPSL	C3216X7R223KLP	1V,1kHz	22	nF	±10%	1.60	±0.30/±0.20	±0.20	2.5%	Embossed,2Kpcs	(I)
	C3216X7R473KLPSL	C3216X7R473KLP	1V,1kHz	47	nF	±10%	1.60	±0.30/±0.20	±0.20	2.5%		(I)
	C3216X7R181KKPSG	C3216X7R181KKP	1V,1kHz	180	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R221KKTSE	C3216X7R221KKT	1V,1kHz	220	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R221KKPSG	C3216X7R221KKP	1V,1kHz	220	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R471KKTSE	C3216X7R471KKT	1V,1kHz	470	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R471KKPSG	C3216X7R471KKP	1V,1kHz	470	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
250V	C3216X7R561KKTSE	C3216X7R561KKT	1V,1kHz	560	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R561KKPSG	C3216X7R561KKP	1V,1kHz	560	pF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R102KKTSE	C3216X7R102KKT	1V,1kHz	1.0	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R102KKPSG	C3216X7R102KKP	1V,1kHz	1.0	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R222KKTSE	C3216X7R222KKT	1V,1kHz	2.2	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R222KKPSG	C3216X7R222KKP	1V,1kHz	2.2	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
250V	C3216X7R472KKTSE	C3216X7R472KKT	1V,1kHz	4.7	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R472KKPSG	C3216X7R472KKP	1V,1kHz	4.7	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R103KKTSE	C3216X7R103KKT	1V,1kHz	10	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R103KKPSG	C3216X7R103KKP	1V,1kHz	10	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R153KKPSG	C3216X7R153KKP	1V,1kHz	15	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C3216X7R223KKPSG	C3216X7R223KKP	1V,1kHz	22	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C3216X7R333KKPSL	C3216X7R333KKP	1V,1kHz	33	nF	±10%	1.60	±0.30/±0.20	±0.20	2.5%	Embossed,2Kpcs	(II)
	C3216X7R473KKPSG		1V,1kHz	47	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R473KKPSL	C3216X7R473KKP	1V,1kHz	47	nF	±10%	1.60	±0.20	±0.20	2.5%	Embossed,2Kpcs	(I)
	C3216X7R104KKPSL	C3216X7R104KKP	1V,1kHz	100	nF	±10%	1.60	±0.20	±0.20	2.5%		(I)
200V	C3216X7R221KJTSE	C3216X7R221KJT	1V,1kHz	220	pF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R102KJTSE	C3216X7R102KJT	1V,1kHz	1.0	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C3216X7R102KJPSG	C3216X7R102KJP	1V,1kHz	1.0	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R222☐JTSE	C3216X7R222☐JT	1V,1kHz	2.2	nF	±5%,±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R332KJTSE	C3216X7R332KJT	1V,1kHz	3.3	nF	±10%	0.85	±0.15	±0.15	2.5%		(I)
	C3216X7R332KJPSG	C3216X7R332KJP	1V,1kHz	3.3	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R103☐JPSG	C3216X7R103☐JP	1V,1kHz	10	nF	±10% ,±20%	1.25	±0.15	±0.20	2.5%		(I)
	C3216X7R473KJPSG		1V,1kHz	47	nF	±10%	1.25	±0.15	±0.20	2.5%		(I)
	C3216X7R473KJPSL	C3216X7R473KJP	1V,1kHz	47	nF	±10%	1.60	±0.20	±0.20	2.5%	Embossed,2Kpcs	(I)
	C3216X7R683KJPSL	C3216X7R683KJP	1V,1kHz	68	nF	±10%	1.60	±0.20	±0.20	2.5%		(I)
	C3216X7R104KJPSL	C3216X7R104KJP	1V,1kHz	100	nF	±10%	1.60	±0.20	±0.20	2.5%		(I)
100V	C3216X7R102KHTSE	C3216X7R102KHT	1V,1kHz	1.0	nF	±10%	0.85	±0.15	±0.15	2.5%	Paper,4Kpcs	(I)
	C3216X7R102KHPSG	C3216X7R102KHP	1V,1kHz	1.0	nF	±10%	1.25	±0.15	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3216X7R103KHTSD	C3216X7R103KHT	1V ,1kHz	10	nF	±10%	0.80	±0.15	±0.10	3.5%	Paper,4Kpcs	(I)
	C3216X7R123KHTSD	C3216X7R123KHT	1V ,1kHz	12	nF	±10%	0.80	±0.15	±0.10	3.5%		(I)
	C3216X7R123KHPSG	C3216X7R123KHP	1V ,1kHz	12	nF	±10%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C3216X7R153KHTSD	C3216X7R153KHT	1V ,1kHz	15	nF	±10%	0.80	±0.15	±0.10	3.5%	Paper,4Kpcs	(I)
	C3216X7R153KHPSG	C3216X7R153KHP	1V ,1kHz	15	nF	±10%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C3216X7R183KHTSD	C3216X7R183KHT	1V ,1kHz	18	nF	±10%	0.80	±0.15	±0.10	3.5%	Paper,4Kpcs	(I)
	C3216X7R183KHPSG	C3216X7R183KHP	1V ,1kHz	18	nF	±10%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C3216X7R223KHTSD	C3216X7R223KHT	1V ,1kHz	22	nF	±10%	0.80	±0.15	±0.10	3.5%	Paper,4Kpcs	(I)
	C3216X7R273KHTSD	C3216X7R273KHT	1V ,1kHz	27	nF	±10%	0.80	±0.15	±0.10	3.5%	Paper,4Kpcs	(I)
	C3216X7R333KHTSD	C3216X7R333KHT	1V ,1kHz	33	nF	±10%	0.80	±0.15	±0.10	3.5%		(I)
	C3216X7R393KHTSD	C3216X7R393KHT	1V ,1kHz	39	nF	±10%	0.80	±0.15	±0.10	3.5%		(I)
	C3216X7R473KHTSD	C3216X7R473KHT	1V ,1kHz	47	nF	±10%	0.80	±0.15	±0.10	3.5%		(I)
	C3216X7R473KHPSG	C3216X7R473KHP	1V ,1kHz	47	nF	±10%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C3216X7R563KHTSD	C3216X7R563KHT	1V ,1kHz	56	nF	±10%	0.80	±0.15	±0.10	3.5%	Paper,4Kpcs	(I)
	C3216X7R683KHTSD	C3216X7R683KHT	1V ,1kHz	68	nF	±10%	0.80	±0.15	±0.10	3.5%		(I)
	C3216X7R823KHTSD	C3216X7R823KHT	1V ,1kHz	82	nF	±10%	0.80	±0.15	±0.10	3.5%		(I)
	C3216X7R823KHPSG	C3216X7R823KHP	1V ,1kHz	82	nF	±10%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C3216X7R104KHTSD	C3216X7R104KHT	1V ,1kHz	100	nF	±10%	0.80	±0.15	±0.10	3.5%	Paper,4Kpcs	(I)
	C3216X7R104KHPSG	C3216X7R104KHP	1V ,1kHz	100	nF	±10%	1.25	±0.15	±0.20	3.5%	Embossed,3Kpcs	(I)
	C3216X7R154KHPSL	C3216X7R154KHP	1V ,1kHz	150	nF	±10%	1.60	±0.20	±0.20	2.5%	Embossed,2Kpcs	(I)
	C3216X7R224KHPSL	C3216X7R224KHP	1V ,1kHz	220	nF	±10%	1.60	±0.20	±0.20	2.5%		(I)
	C3216X7R334☐HPSL	C3216X7R334☐HP	1V ,1kHz	330	nF	±10% ,±20%	1.60	±0.30/±0.20	±0.20	3.0%		(I)
	C3216X7R474KHPSL	C3216X7R474KHP	1V ,1kHz	470	nF	±10%	1.60	±0.20	±0.20	3.0%		(I)
	C3216X7R105KHPSL	C3216X7R105KHP	1V ,1kHz	1.0	uF	±10%	1.60	±0.30	±0.30	10.0%		(I)
	C3216X7R225KHPSL	C3216X7R225KHP	1V ,1kHz	2.2	uF	±10%	1.60	±0.30	±0.30	10.0%		(II)

☐ Tolerance Code: K=±10%, M=±20%; Special tolerance on the request.

● C3225X7R Series (EIA1210)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
2000V	C3225X7R472☐QPSP	C3225X7R472☐QP	1V,1kHz	4.7	nF	±10%,±20%	2.50	±0.40/±0.30	±0.30	2.5%	Embossed,1Kpcs	(I)
630V	C3225X7R102KMPSG	C3225X7R102KMP	1V,1kHz	1.0	nF	±10%	1.25	±0.30/±0.20	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3225X7R223KMPSG	C3225X7R223KMP	1V,1kHz	22	nF	±10%	1.25	±0.30/±0.20	±0.20	2.5%		(I)
	C3225X7R683KMPSL	C3225X7R683KMP	1V,1kHz	68	nF	±10%	1.60	±0.40/±0.30	±0.20	2.5%	Embossed,2Kpcs	(I)
500V	C3225X7R103KLPSG	C3225X7R103KLP	1V,1kHz	10	nF	±10%	1.25	±0.30/±0.20	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3225X7R223KLPSG	C3225X7R223KLP	1V,1kHz	22	nF	±10%	1.25	±0.30/±0.20	±0.20	2.5%		(I)
250V	C3225X7R274KKPSP	C3225X7R274KKP	1V,1kHz	270	nF	±10%	2.50	±0.40/±0.30	±0.30	2.5%	Embossed,1Kpcs	(I)
100V	C3225X7R224KHPSG	C3225X7R224KHP	1V ,1kHz	220	nF	±10%	1.25	±0.30/±0.20	±0.20	2.5%	Embossed,3Kpcs	(I)
	C3225X7R474KHPSI	C3225X7R474KHP	1V ,1kHz	470	nF	±10%	0.95	±0.30/±0.20	+0.15/-0.10	2.5%		(II)
	C3225X7R474KHPSP	C3225X7R474KHP	1V ,1kHz	470	nF	±10%	2.50	±0.30/±0.20	±0.30	3.0%	Embossed,1Kpcs	(I)
	C3225X7R564KHPSP	C3225X7R564KHP	1V ,1kHz	560	nF	±10%	2.50	±0.30/±0.20	±0.30	3.0%		(I)

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RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
	C3225X7R824KHWSN	C3225X7R824KHW	1V ,1kHz	820	nF	±10%	2.00	±0.40/±0.30	±0.20	3.0%		(I)
100V	C3225X7R225KHPSP	C3225X7R225KHP	1V ,1kHz	2.2	uF	±10%	2.50	±0.30/±0.20	±0.20	5.0%	Embossed,1Kpcs	(I)
	C3225X7R475KHPSP	C3225X7R475KHP	1V ,1kHz	4.7	uF	±10%	2.50	±0.60/±0.50	±0.50	10.0%		(I)

☐ Tolerance Code: K=±10%, M=±20%; Special tolerance on the request.

● C4520X7R Series (EIA1808)

RV	DARFON P/N	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
3000V	C4520X7R102KRPSN	C4520X7R102KRP	1V,1kHz	1.0	nF	±10%	2.00	±0.40/±0.30	±0.20	2.5%	Embossed,1Kpcs	(I)
2000V	C4520X7R102KQPSN	C4520X7R102KQP	1V,1kHz	1.0	nF	±10%	2.00	±0.40/±0.30	±0.20	2.5%		(I)
250V	C4520X7R471KKPSG	C4520X7R471KKP	1V,1kHz	470	pF	±10%	1.25	±0.40/±0.30	±0.25	2.5%	Embossed,2Kpcs	(I)

● C4532X7R Series (EIA1812)

RV	DARFON P/N	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
3000V	C4532X7R152KRPSN	C4532X7R152KRP	1V,1kHz	1.5	nF	±10%	2.00	+0.5-0.3/±0.3	±0.20	2.5%	Embossed,1Kpcs	(I)
	C4532X7R222KRPSP	C4532X7R222KRP	1V,1kHz	2.2	nF	±10%	2.50	+0.5-0.3/±0.4	±0.30	2.5%	Embossed,0.5Kpcs	(I)
	C4532X7R332KRPSP	C4532X7R332KRP	1V,1kHz	3.3	nF	±10%	2.50	+0.5-0.3/±0.4	±0.30	2.5%		(I)
2000V	C4532X7R102KQPSG	C4532X7R102KQP	1V,1kHz	1.0	nF	±10%	1.25	±0.40/±0.30	±0.30	2.5%	Embossed,1Kpcs	(I)
	C4532X7R472KQPSN	C4532X7R472KQP	1V,1kHz	4.7	nF	±10%	2.00	+0.5-0.3/±0.3	±0.20	2.5%		(I)
	C4532X7R103KQPSP	C4532X7R103KQP	1V,1kHz	10	nF	±10%	2.50	+0.5-0.3/±0.4	±0.30	2.5%	Embossed,0.5Kpcs	(I)
1000V	C4532X7R472KPPSG	C4532X7R472KPP	1V,1kHz	4.7	nF	±10%	1.25	+0.5-0.3/±0.3	±0.10	2.5%	Embossed,1Kpcs	(I)
	C4532X7R223KPPSG	C4532X7R223KPP	1V,1kHz	22	nF	±10%	1.25	+0.5-0.3/±0.3	±0.30	2.5%		(II)
630V	C4532X7R683KMPSN	C4532X7R683KMP	1V,1kHz	68	nF	±10%	2.00	+0.5-0.3/±0.3	±0.20	2.5%	Embossed,1Kpcs	(II)
	C4532X7R104KMPSN	C4532X7R104KMP	1V,1kHz	100	nF	±10%	2.00	+0.5-0.3/±0.3	±0.20	2.5%		(II)
	C4532X7R154KMPSP	C4532X7R154KMP	1V,1kHz	150	nF	±10%	2.50	+0.5-0.3/±0.4	±0.30	2.5%	Embossed,0.5Kpcs	(II)
100V	C4532X7R225KHWSP	C4532X7R105KHW	1V,1kHz	2.2	uF	±10%	2.50	+0.5-0.3/±0.4	±0.30	2.5%	Embossed,0.7Kpcs	(II)

☐ Tolerance Code: K=±10%, M=±20%; Special tolerance on the request.

■ X7S Series

● C1005X7S Series (EIA0402)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C1005X7S222KHTS	C1005X7S222KHT	1V ,1kHz	2.2	nF	±10%	0.50	±0.05	±0.05	3.0%	Paper,4Kpcs	(I)

● C1608X7S Series (EIA0603)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C1608X7S104KHTS	C1608X7S104KHT	1V ,1kHz	100	nF	±10%	0.80	±0.15	±0.15	10.0%	Paper,4Kpcs	(I)

● C2012X7S Series (EIA0805)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C2012X7S105☐HPSG	C2012X7S105☐HP	1V ,1kHz	1.0	uF	±10%,±20%	1.25	± 0.20	±0.20	10.0%	Embossed,3Kpcs	(II)

☐ Tolerance Code: K=±10%, M=±20%; Special tolerance on the request.

● C3216X7S Series (EIA1206)

RV	DARFON P/N	DARFON P/N 2	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing	Test Spec.
				Value	Unit			L/W	Thick.			
100V	C3216X7S225KHPSL	C3216X7S225KHP	1V ,1kHz	2.2	uF	±10%	1.60	± 0.30	±0.30	10.0%	Embossed,2Kpcs	(II)
	C3216X7S475KHPSL	C3216X7S475KHP	1V ,1kHz	4.7	uF	±10%	1.60	± 0.30	±0.30	10.0%		(II)

Microwave Type (F Series)

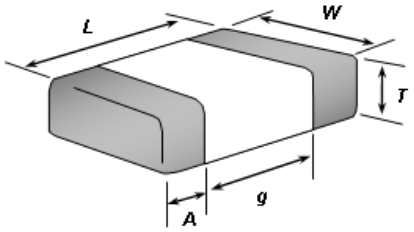
■ Feature

1. Ultra-stable
2. Tight tolerance available
3. Low ESR
4. Good frequency performance
5. No aging of capacitance
6. RoHS compliant
7. Halogen Free

■ Application

- LC and RC tuned circuit
- Filtering
- Timing
- PA Module, Wireless equipment, Smartphone

■ External Dimensions



TYPE		Dimension (mm)				
Size (EIA Size)	Kind	L (Length)	W (Width)	T (Max.)	g (Min)	A (Min/Max)
C0402 (01005)	Standard	0.4±0.02	0.2±0.02	0.22	0.13	0.07/0.14
C0603 (0201)	Standard	0.6 ± 0.03	0.30 ± 0.03	0.33	0.15	0.10 / 0.20
C1005 (0402)	Standard	1.0 ± 0.05	0.50 ± 0.05	0.55	0.30	0.15 / 0.35

For special parts, please see the “Part Number & Characteristic” for detail specification.

■ Part Number & Characteristic

- C0402NP0_F Series (EIA01005)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		Testing Freq	ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.				
25V	C0402NP0208□FPF	1V,1MHz	0.2	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	1137	700	Embossed,40Kpcs (W4P1)
	C0402NP0308□FPF	1V,1MHz	0.3	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	758	700	
	C0402NP0408□FPF	1V,1MHz	0.4	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	568	700	
	C0402NP0508□FPF	1V,1MHz	0.5	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	455	700	
	C0402NP0608□FPF	1V,1MHz	0.6	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	379	700	
	C0402NP0708□FPF	1V,1MHz	0.7	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	325	700	
	C0402NP0808□FPF	1V,1MHz	0.8	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	284	700	
	C0402NP0908□FPF	1V,1MHz	0.9	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	253	700	
	C0402NP0109□FPF	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	227	700	
	C0402NP0119□FPF	1V,1MHz	1.1	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	322	450	
	C0402NP0129□FPF	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	295	450	
	C0402NP0139□FPF	1V,1MHz	1.3	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	272	450	
	C0402NP0159□FPF	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	236	450	
	C0402NP0169□FPF	1V,1MHz	1.6	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	221	450	
	C0402NP0189□FPF	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	196	450	
	C0402NP0209□FPF	1V,1MHz	2.0	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	177	450	
	C0402NP0229□FPF	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	263	275	
	C0402NP0249□FPF	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	241	275	
	C0402NP0259□FPF	1V,1MHz	2.5	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	231	275	
	C0402NP0279□FPF	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	214	275	
	C0402NP0309□FPF	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	193	275	

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RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		Testing Freq	ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.				
25V	C0402NP0339☐FPF	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	175	275	Embossed,40Kpcs (W4P1)
	C0402NP0369☐FPF	1V,1MHz	3.6	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	161	275	
	C0402NP0399☐FPF	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	148	275	
	C0402NP0439☐FPF	1V,1MHz	4.3	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	135	275	
	C0402NP0479☐FPF	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	123	275	
	C0402NP0569☐FPF	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	167	170	
	C0402NP0609☐FPF	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	156	170	
	C0402NP0629☐FPF	1V,1MHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	151	170	
	C0402NP0689☐FPF	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	138	170	
	C0402NP0709☐FPF	1V,1MHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	134	170	
	C0402NP0759☐FPF	1V,1MHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	125	170	
	C0402NP0829☐FPF	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	114	170	
	C0402NP0919☐FPF	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	103	170	
	C0402NP0100☐FPF	1V,1MHz	10	pF	±5%,±2%	0.20	±0.02	±0.02	1GHz	94	170	
16V	C0402NP0208☐EPF	1V,1MHz	0.2	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	1137	700	Embossed,40Kpcs (W4P1)
	C0402NP0308☐EPF	1V,1MHz	0.3	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	758	700	
	C0402NP0408☐EPF	1V,1MHz	0.4	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	568	700	
	C0402NP0508☐EPF	1V,1MHz	0.5	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	455	700	
	C0402NP0608☐EPF	1V,1MHz	0.6	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	379	700	
	C0402NP0708☐EPF	1V,1MHz	0.7	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	325	700	
	C0402NP0808☐EPF	1V,1MHz	0.8	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	284	700	
	C0402NP0908☐EPF	1V,1MHz	0.9	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	253	700	
	C0402NP0109☐EPF	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.20	±0.02	±0.02	1GHz	227	700	
	C0402NP0119☐EPF	1V,1MHz	1.1	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	322	450	
	C0402NP0129☐EPF	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	295	450	
	C0402NP0139☐EPF	1V,1MHz	1.3	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	272	450	
	C0402NP0159☐EPF	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	236	450	
	C0402NP0169☐EPF	1V,1MHz	1.6	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	221	450	
	C0402NP0189☐EPF	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	196	450	
	C0402NP0209☐EPF	1V,1MHz	2.0	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	177	450	
	C0402NP0229☐EPF	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	263	275	
	C0402NP0249☐EPF	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	241	275	
	C0402NP0259☐EPF	1V,1MHz	2.5	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	231	275	
	C0402NP0279☐EPF	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	214	275	
	C0402NP0309☐EPF	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	193	275	
	C0402NP0339☐EPF	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	175	275	
	C0402NP0369☐EPF	1V,1MHz	3.6	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	161	275	
	C0402NP0399☐EPF	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	148	275	
	C0402NP0439☐EPF	1V,1MHz	4.3	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	135	275	
	C0402NP0479☐EPF	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	123	275	
	C0402NP0509☐EPF	1V,1MHz	5.0	pF	±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	143	223	
	C0402NP0569☐EPF	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	167	170	
	C0402NP0609☐EPF	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	156	170	
	C0402NP0629☐EPF	1V,1MHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	151	170	
	C0402NP0689☐EPF	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	138	170	
	C0402NP0709☐EPF	1V,1MHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	134	170	
	C0402NP0759☐EPF	1V,1MHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	125	170	
	C0402NP0829☐EPF	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	114	170	
	C0402NP0919☐EPF	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.20	±0.02	±0.02	1GHz	103	170	
	C0402NP0100☐EPF	1V,1MHz	10	pF	±5%,±2%	0.20	±0.02	±0.02	1GHz	94	170	
	C0402NP0120☐EPF	1V,1MHz	12	pF	±5%,±2%	0.20	±0.02	±0.02	1GHz	98	135	
	C0402NP0150☐EPF	1V,1MHz	15	pF	±5%,±2%	0.20	±0.02	±0.02	1GHz	79	135	
	C0402NP0180☐EPF	1V,1MHz	18	pF	±5%,±2%	0.20	±0.02	±0.02	1GHz	65	135	
	C0402NP0200☐EPF	1V,1MHz	20	pF	±5%,±2%	0.20	±0.02	±0.02	1GHz	59	135	
	C0402NP0220☐EPF	1V,1MHz	22	pF	±5%,±2%	0.20	±0.02	±0.02	1GHz	54	135	

☐ Tolerance Code: A=±0.05 pF, B=±0.1pF, C=±0.25pF, D=±0.5pF, G=±2%, J=±5%; Special tolerance on the request.

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- C0603NP0_F Series (EIA0201)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		Testing Freq	ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.				
50V	C0603NP0208☐GTF	1V,1MHz	0.2	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	1895	420	Paper,15Kpcs
	C0603NP0308☐GTF	1V,1MHz	0.3	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	1263	420	
	C0603NP0408☐GTF	1V,1MHz	0.4	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	947	420	
	C0603NP0508☐GTF	1V,1MHz	0.5	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	758	420	
	C0603NP0608☐GTF	1V,1MHz	0.6	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	632	420	
	C0603NP0708☐GTF	1V,1MHz	0.7	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	541	420	
	C0603NP0758☐GTF	1V,1MHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	505	420	
	C0603NP0808☐GTF	1V,1MHz	0.8	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	474	420	
	C0603NP0908☐GTF	1V,1MHz	0.9	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	421	420	
	C0603NP0109☐GTF	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	379	420	
	C0603NP0119☐GTF	1V,1MHz	1.1	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	413	350	
	C0603NP0129☐GTF	1V,1MHz	1.2	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	379	350	
	C0603NP0139☐GTF	1V,1MHz	1.3	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	350	350	
	C0603NP0149☐GTF	1V,1MHz	1.4	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	325	350	
	C0603NP0159☐GTF	1V,1MHz	1.5	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	303	350	
	C0603NP0169☐GTF	1V,1MHz	1.6	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	284	350	
	C0603NP0189☐GTF	1V,1MHz	1.8	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	253	350	
	C0603NP0209☐GTF	1V,1MHz	2.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	265	300	
	C0603NP0229☐GTF	1V,1MHz	2.2	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	241	300	
	C0603NP0249☐GTF	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	221	300	
	C0603NP0259☐GTF	1V,1MHz	2.5	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	212	300	
	C0603NP0279☐GTF	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	196	300	
	C0603NP0309☐GTF	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	221	240	
	C0603NP0339☐GTF	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	201	240	
	C0603NP0369☐GTF	1V,1MHz	3.6	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	184	240	
	C0603NP0399☐GTF	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	170	240	
	C0603NP0439☐GTF	1V,1MHz	4.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	154	240	
	C0603NP0479☐GTF	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	141	240	
	C0603NP0509☐GTF	1V,1MHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	147	216	
	C0603NP0519☐GTF	1V,1MHz	5.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	144	216	
	C0603NP0569☐GTF	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	132	216	
	C0603NP0609☐GTF	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	123	216	
	C0603NP0629☐GTF	1V,1MHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	119	216	
	C0603NP0689☐GTF	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	108	216	
	C0603NP0709☐GTF	1V,1MHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	158	144	
	C0603NP0759☐GTF	1V,1MHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	147	144	
	C0603NP0809☐GTF	1V,1MHz	8.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	138	144	
	C0603NP0829☐GTF	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	135	144	
	C0603NP0919☐GTF	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	121	144	
	C0603NP0100☐GTF	1V,1MHz	10	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	111	144	
	C0603NP0110☐GTF	1V,1MHz	11	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	115	126	
	C0603NP0120☐GTF	1V,1MHz	12	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	123	108	
	C0603NP0130☐GTF	1V,1MHz	13	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	128	96	
	C0603NP0150☐GTF	1V,1MHz	15	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	1GHz	126	84	
	C0603NP0160☐GTF	1V,1MHz	16	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	138	72	
	C0603NP0180☐GTF	1V,1MHz	18	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	123	72	
	C0603NP0200☐GTF	1V,1MHz	20	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	159	50	
	C0603NP0220☐GTF	1V,1MHz	22	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	181	40	
25V	C0603NP0208☐FTF	1V,1MHz	0.2	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	1895	420	Paper,15Kpcs
	C0603NP0308☐FTF	1V,1MHz	0.3	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	1263	420	
	C0603NP0408☐FTF	1V,1MHz	0.4	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	947	420	
	C0603NP0508☐FTF	1V,1MHz	0.5	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	758	420	
	C0603NP0608☐FTF	1V,1MHz	0.6	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	632	420	
	C0603NP0708☐FTF	1V,1MHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	541	420	
	C0603NP0758☐FTF	1V,1MHz	0.75	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	505	420	
	C0603NP0808☐FTF	1V,1MHz	0.8	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	474	420	
	C0603NP0908☐FTF	1V,1MHz	0.9	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	421	420	
	C0603NP0109☐FTF	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	379	420	
	C0603NP0119☐FTF	1V,1MHz	1.1	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	413	350	
	C0603NP0129☐FTF	1V,1MHz	1.2	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	379	350	
	C0603NP0139☐FTF	1V,1MHz	1.3	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	350	350	
	C0603NP0149☐FTF	1V,1MHz	1.4	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	325	350	
	C0603NP0159☐FTF	1V,1MHz	1.5	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	303	350	
	C0603NP0169☐FTF	1V,1MHz	1.6	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	284	350	
	C0603NP0189☐FTF	1V,1MHz	1.8	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	253	350	

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RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		Testing Freq	ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.				
25V	C0603NP0209☐FTF	1V,1MHz	2.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	265	300	Paper,15Kpcs
	C0603NP0229☐FTF	1V,1MHz	2.2	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	241	300	
	C0603NP0249☐FTF	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	221	300	
	C0603NP0259☐FTF	1V,1MHz	2.5	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	212	300	
	C0603NP0279☐FTF	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	196	300	
	C0603NP0309☐FTF	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	221	240	
	C0603NP0339☐FTF	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	201	240	
	C0603NP0369☐FTF	1V,1MHz	3.6	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	184	240	
	C0603NP0399☐FTF	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	170	240	
	C0603NP0409☐FTF	1V,1MHz	4.0	pF	±0.25pF,±0.1pF,±0.05pF	0.30	±0.03	±0.03	1GHz	166	240	
	C0603NP0439☐FTF	1V,1MHz	4.3	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	154	240	
	C0603NP0479☐FTF	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	141	240	
	C0603NP0509☐FTF	1V,1MHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	147	216	
	C0603NP0569☐FTF	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	132	216	
	C0603NP0609☐FTF	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	123	216	
	C0603NP0629☐FTF	1V,1MHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	119	216	
	C0603NP0689☐FTF	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	108	216	
	C0603NP0709☐FTF	1V,1MHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	158	144	
	C0603NP0759☐FTF	1V,1MHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	147	144	
	C0603NP0809☐FTF	1V,1MHz	8.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	138	144	
	C0603NP0829☐FTF	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	135	144	
	C0603NP0909☐FTF	1V,1MHz	9.0	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	123	144	
	C0603NP0919☐FTF	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.30	±0.03	±0.03	1GHz	121	144	
	C0603NP0100☐FTF	1V,1MHz	10	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	111	144	
	C0603NP0120☐FTF	1V,1MHz	12	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	123	108	
	C0603NP0130☐FTF	1V,1MHz	13	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	128	96	
	C0603NP0150☐FTF	1V,1MHz	15	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	126	84	
	C0603NP0160☐FTF	1V,1MHz	16	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	138	72	
	C0603NP0180☐FTF	1V,1MHz	18	pF	±5%,±2%,±1%	0.30	±0.03	±0.03	1GHz	123	72	
	C0603NP0200☐FTF	1V,1MHz	20	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	159	50	
	C0603NP0220☐FTF	1V,1MHz	22	pF	±5%,±2%	0.30	±0.03	±0.03	1GHz	181	40	
	C0603NP0240☐FTF	1V,1MHz	24	pF	±5%,±2%	0.30	±0.03	±0.03	500MHz	166	40	
	C0603NP0270☐FTF	1V,1MHz	27	pF	±5%,±2%	0.30	±0.03	±0.03	500MHz	196	30	
	C0603NP0330☐FTF	1V,1MHz	33	pF	±5%,±2%	0.30	±0.03	±0.03	500MHz	241	20	
6.3V	C0603NP0220JCTF	1V,1MHz	22	pF	±5%	0.30	±0.03	±0.03	1GHz	181	40	Paper,15Kpcs
	C0603NP0270☐CTF	1V,1MHz	27	pF	±5%,±2%	0.30	±0.03	±0.03	500MHz	196	30	

☐ Tolerance Code: A=±0.05 pF, B=±0.1pF, C=±0.25pF, D=±0.5pF, G=±2%, J=±5%; Special tolerance on the request.

● C1005NP0_F Series (EIA0402)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		Testing Freq	ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.				
200V	C1005NP0208☐JTF	1V,1MHz	0.2	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	2411	330	Paper,10Kpcs
	C1005NP0109☐JTF	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	482	330	
	C1005NP0129☐JTF	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	482	275	
	C1005NP0159☐JTF	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	386	275	
	C1005NP0189☐JTF	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	322	275	
	C1005NP0229☐JTF	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	329	220	
	C1005NP0279☐JTF	1V,1MHz	2.7	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	268	220	
	C1005NP0339☐JTF	1V,1MHz	3.3	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	219	220	
	C1005NP0399☐JTF	1V,1MHz	3.9	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	206	198	
	C1005NP0479☐JTF	1V,1MHz	4.7	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	171	198	
	C1005NP0569☐JTF	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	172	165	
	C1005NP0689☐JTF	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	142	165	
	C1005NP0829☐JTF	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	176	110	
	C1005NP0100☐JTF	1V,1MHz	10	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	1GHz	181	88	
100V	C1005NP0608☐HTF	1V,1MHz	0.60	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	804	330	Paper,10Kpcs
50V	C1005NP0208☐GTF	1V,1MHz	0.20	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	2411	330	Paper,10Kpcs
	C1005NP0308☐GTF	1V,1MHz	0.30	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	1608	330	
	C1005NP0408☐GTF	1V,1MHz	0.40	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	1206	330	
	C1005NP0508☐GTF	1V,1MHz	0.50	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	965	330	
	C1005NP0608☐GTF	1V,1MHz	0.60	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	804	330	
	C1005NP0708☐GTF	1V,1MHz	0.70	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	689	330	
	C1005NP0808☐GTF	1V,1MHz	0.80	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	603	330	
	C1005NP0908☐GTF	1V,1MHz	0.90	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	536	330	
	C1005NP0109☐GTF	1V,1MHz	1.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	482	330	

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		Testing Freq	ESR(1GHz) mΩ (max.)	Q(1GHz) (min.)	Standard Packing
			Value	Unit			L/W	Thick.				
50V	C1005NP0119☐GTF	1V,1MHz	1.1	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	526	275	Paper,10Kpcs
	C1005NP0129☐GTF	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	482	275	
	C1005NP0139☐GTF	1V,1MHz	1.3	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	445	275	
	C1005NP0159☐GTF	1V,1MHz	1.5	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	386	275	
	C1005NP0169☐GTF	1V,1MHz	1.6	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	362	275	
	C1005NP0189☐GTF	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	322	275	
	C1005NP0209☐GTF	1V,1MHz	2.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	362	220	
	C1005NP0229☐GTF	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	329	220	
	C1005NP0249☐GTF	1V,1MHz	2.4	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	301	220	
	C1005NP0279☐GTF	1V,1MHz	2.7	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	268	220	
	C1005NP0289☐GTF	1V,1MHz	2.8	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	258	220	
	C1005NP0309☐GTF	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	241	220	
	C1005NP0339☐GTF	1V,1MHz	3.3	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	219	220	
	C1005NP0369☐GTF	1V,1MHz	3.6	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	223	198	
	C1005NP0399☐GTF	1V,1MHz	3.9	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	206	198	
	C1005NP0409☐GTF	1V,1MHz	4.0	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	201	198	
	C1005NP0479☐GTF	1V,1MHz	4.7	pF	±0.25pF,±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	171	198	
	C1005NP0509☐GTF	1V,1MHz	5.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	193	165	
	C1005NP0569☐GTF	1V,1MHz	5.6	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	172	165	
	C1005NP0609☐GTF	1V,1MHz	6.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	161	165	
	C1005NP0629☐GTF	1V,1MHz	6.2	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	156	165	
	C1005NP0689☐GTF	1V,1MHz	6.8	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	142	165	
	C1005NP0709☐GTF	1V,1MHz	7.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	165	138	
	C1005NP0759☐GTF	1V,1MHz	7.5	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	154	138	
	C1005NP0809☐GTF	1V,1MHz	8.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	181	110	
	C1005NP0829☐GTF	1V,1MHz	8.2	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	176	110	
	C1005NP0909☐GTF	1V,1MHz	9.0	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	161	110	
	C1005NP0919☐GTF	1V,1MHz	9.1	pF	±0.5pF,±0.25pF,±0.1pF	0.50	±0.05	±0.05	1GHz	159	110	
	C1005NP0100☐GTF	1V,1MHz	10	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	1GHz	181	88	
	C1005NP0120☐GTF	1V,1MHz	12	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	201	66	
	C1005NP0150☐GTF	1V,1MHz	15	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	1GHz	241	44	
	C1005NP0160☐GTF	1V,1MHz	16	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	255	39	
	C1005NP0180☐GTF	1V,1MHz	18	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	268	33	
	C1005NP0200☐GTF	1V,1MHz	20	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	1GHz	332	24	
	C1005NP0220☐GTF	1V,1MHz	22	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	301	24	
	C1005NP0240☐GTF	1V,1MHz	24	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	276	24	
	C1005NP0270☐GTF	1V,1MHz	27	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	246	24	
	C1005NP0300☐GTF	1V,1MHz	30	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	1GHz	253	21	
	C1005NP0330☐GTF	1V,1MHz	33	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	1GHz	254	19	
	C1005NP0390☐GTF	1V,1MHz	39	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	255	16	
	C1005NP0470☐GTF	1V,1MHz	47	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	242	14	
	C1005NP0560☐GTF	1V,1MHz	56	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	258	11	
25V	C1005NP0680☐FTF	1V,1MHz	68	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	260	9	Paper,10Kpcs
	C1005NP0820☐FTF	1V,1MHz	82	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	243	8	
	C1005NP0101☐FTF	1V,1MHz	100	pF	±5%,±2%	0.50	±0.05	±0.05	1GHz	265	6	
16V	C1005NP0808☐ETF	1V,1MHz	0.80	pF	±0.1pF,±0.05pF	0.50	±0.05	±0.05	1GHz	603	330	Paper,10Kpcs

☐ Tolerance Code: A=±0.05 pF, B=±0.1pF, C=±0.25pF, D=±0.5pF, G=±2%, J=±5%; Special tolerance on the request.

Automotive (AEC-Q200 Compliant) for MLCC

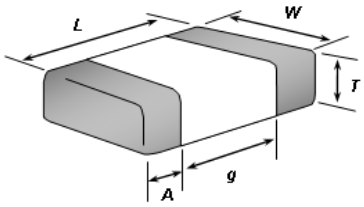
■ Feature

1. Monolithic structure ensures high reliability and mechanical strength.
2. RoHS compliant
3. AEC-Q200 compliant
4. Halogen Free

■ Application

1. Automotive comfort & infotainment systems
2. Bluetooth & wireless communication systems
3. Navigation & audio systems
4. Automotive after-market electronics

■ Standard External Dimensions



TYPE		Dimension (mm)				
Size (EIA Size)	Kind	L (Length)	W (Width)	T (Max.)	g (Min)	A (Min/Max)
C0603 (0201)	Standard	0.6 ± 0.03	0.30 ± 0.03	0.33	0.15	0.10 / 0.20
	Special (1)	0.6 ± 0.05	0.30 ± 0.05	0.35		
	Special (2)	0.6 ± 0.09	0.30 ± 0.09	0.39		0.10 / 0.25
C1005 (0402)	Standard	1.0 ± 0.05	0.50 ± 0.05	0.55	0.30	0.15 / 0.35
	Special (1)	1.0 ± 0.10	0.50 ± 0.10	0.60		
	Special (2)	1.0 ± 0.15	0.50 ± 0.15	0.65		
	Special (3)	1.0 ± 0.20	0.50 ± 0.20	0.70		
C1608 (0603)	Standard	1.6 ± 0.10	0.80 ± 0.10	0.90	0.50	0.25 / 0.65
	Special (1)	1.6 ± 0.15	0.80 ± 0.15	0.95		
	Special (2)	1.6 ± 0.20	0.80 ± 0.20	1.00		
	Special (3)	1.6 ± 0.25	0.80 ± 0.25	1.05		
C2012 (0805)	Standard	2.0 ± 0.15	1.25 ± 0.15	1.45	0.70	0.25 / 0.75
	Special (1)	2.0 ± 0.20	1.25 ± 0.20	1.45		
C3216 (1206)	Standard	3.2 ± 0.15	1.60 ±0.15	1.80	1.50	0.25 / 0.75
	Special (1)	3.2 ± 0.20	1.60 ±0.20	1.90		
	Special (2)	3.2 ± 0.30	1.60 ±0.30	1.90		
	Special (1)	3.2 ± 0.40	2.50 ± 0.30	2.80		

For some special parts, please see the “Part Number & Characteristic” for detail specification.

■ Part Number & Characteristic

■ NP0 Series

● C1005NP0_A Series (EIA0402)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
50V	C1005NP0508☐GTA	1V,1MHz	0.50	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%	Paper,10Kpcs
	C1005NP0608☐GTA	1V,1MHz	0.60	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0688☐GTA	1V,1MHz	0.68	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0708☐GTA	1V,1MHz	0.70	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0808☐GTA	1V,1MHz	0.80	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0828☐GTA	1V,1MHz	0.82	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0908☐GTA	1V,1MHz	0.90	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%	
50V	C1005NP0109☐GTA	1V,1MHz	1.0	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%	Paper,10Kpcs
	C1005NP0119☐GTA	1V,1MHz	1.1	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0129☐GTA	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.24%	
	C1005NP0139☐GTA	1V,1MHz	1.3	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0149☐GTA	1V,1MHz	1.4	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0159☐GTA	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0189☐GTA	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0209☐GTA	1V,1MHz	2.0	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0229☐GTA	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.23%	
	C1005NP0249☐GTA	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.22%	
	C1005NP0279☐GTA	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.22%	
	C1005NP0309☐GTA	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.22%	
	C1005NP0339☐GTA	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.21%	
	C1005NP0399☐GTA	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.21%	
	C1005NP0409☐GTA	1V,1MHz	4.0	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.21%	
	C1005NP0479☐GTA	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.50	±0.05	±0.05	0.20%	
	C1005NP0509☐GTA	1V,1MHz	5.0	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.20%	
	C1005NP0569☐GTA	1V,1MHz	5.6	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.20%	
	C1005NP0609☐GTA	1V,1MHz	6.0	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.19%	
	C1005NP0629☐GTA	1V,1MHz	6.2	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.19%	
	C1005NP0689☐GTA	1V,1MHz	6.8	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.19%	
	C1005NP0709☐GTA	1V,1MHz	7.0	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.19%	
	C1005NP0759☐GTA	1V,1MHz	7.5	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.18%	
	C1005NP0809☐GTA	1V,1MHz	8.0	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.18%	
	C1005NP0829☐GTA	1V,1MHz	8.2	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.18%	
	C1005NP0909☐GTA	1V,1MHz	9.0	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.17%	
	C1005NP0919☐GTA	1V,1MHz	9.1	pF	±0.5pF,±0.25pF	0.50	±0.05	±0.05	0.17%	
	C1005NP0100☐GTA	1V,1MHz	10	pF	±5%,±2%	0.50	±0.05	±0.05	0.17%	
	C1005NP0120☐GTA	1V,1MHz	12	pF	±5%,±2%,±1%	0.50	±0.05	±0.05	0.16%	
	C1005NP0150☐GTA	1V,1MHz	15	pF	±5%,±2%	0.50	±0.05	±0.05	0.14%	
	C1005NP0160☐GTA	1V,1MHz	16	pF	±5%,±2%	0.50	±0.05	±0.05	0.14%	
	C1005NP0180☐GTA	1V,1MHz	18	pF	±5%,±2%	0.50	±0.05	±0.05	0.13%	
	C1005NP0220☐GTA	1V,1MHz	22	pF	±5%,±2%	0.50	±0.05	±0.05	0.12%	
	C1005NP0240☐GTA	1V,1MHz	24	pF	±5%,±2%	0.50	±0.05	±0.05	0.11%	
	C1005NP0270☐GTA	1V,1MHz	27	pF	±5%,±2%	0.50	±0.05	±0.05	0.11%	
	C1005NP0330☐GTA	1V,1MHz	33	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0390☐GTA	1V,1MHz	39	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0470☐GTA	1V,1MHz	47	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0560☐GTA	1V,1MHz	56	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0680☐GTA	1V,1MHz	68	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0750☐GTA	1V,1MHz	75	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0820☐GTA	1V,1MHz	82	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0101☐GTA	1V,1MHz	100	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0121☐GTA	1V,1MHz	120	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0151☐GTA	1V,1MHz	150	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0181☐GTA	1V,1MHz	180	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0221☐GTA	1V,1MHz	220	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0331☐GTA	1V,1MHz	330	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0391☐GTA	1V,1MHz	390	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0471☐GTA	1V,1MHz	470	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0681☐GTA	1V,1MHz	680	pF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0102☐GTA	1V,1MHz	1.0	nF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
	C1005NP0152☐GTA	1V,1kHz	1.5	nF	±5%,±2%	0.50	±0.05	±0.05	0.10%	
16V	C1005NP0680JETA	1V,1MHz	68	pF	±5%	0.50	±0.05	±0.05	0.10%	Paper,10Kpcs

☐ Tolerance Code: B=±0.1pF, C=±0.25pF ,D=±0.5pF, G=±2%, J=±5%; Special tolerance on the request.

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- C1608NP0_A Series (EIA0603)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
100V	C1608NP0508☐HTA	1V,1MHz	0.50	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	Paper,4Kpcs
	C1608NP0758☐HTA	1V,1MHz	0.75	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0109☐HTA	1V,1MHz	1.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0129☐HTA	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0159☐HTA	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	
	C1608NP0189☐HTA	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	
	C1608NP0209☐HTA	1V,1MHz	2.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	
	C1608NP0229☐HTA	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	
	C1608NP0249☐HTA	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%	
	C1608NP0279☐HTA	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%	
	C1608NP0309☐HTA	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%	
	C1608NP0339☐HTA	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%	
	C1608NP0399☐HTA	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%	
	C1608NP0409☐HTA	1V,1MHz	4.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%	
	C1608NP0479☐HTA	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.20%	
	C1608NP0509☐HTA	1V,1MHz	5.0	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.20%	
	C1608NP0569☐HTA	1V,1MHz	5.6	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.20%	
	C1608NP0609☐HTA	1V,1MHz	6.0	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0629☐HTA	1V,1MHz	6.2	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0689☐HTA	1V,1MHz	6.8	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0709☐HTA	1V,1MHz	7.0	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0829☐HTA	1V,1MHz	8.2	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.18%	
	C1608NP0909☐HTA	1V,1MHz	9.0	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.17%	
	C1608NP0100☐HTA	1V,1MHz	10	pF	±5%,±2%	0.80	±0.10	±0.10	0.17%	
	C1608NP0110☐HTA	1V,1MHz	11	pF	±5%,±2%	0.80	±0.10	±0.10	0.16%	
	C1608NP0120☐HTA	1V,1MHz	12	pF	±5%,±2%	0.80	±0.10	±0.10	0.16%	
	C1608NP0150☐HTA	1V,1MHz	15	pF	±5%,±2%	0.80	±0.10	±0.10	0.14%	
	C1608NP0180☐HTA	1V,1MHz	18	pF	±5%,±2%	0.80	±0.10	±0.10	0.13%	
	C1608NP0200☐HTA	1V,1MHz	20	pF	±5%,±2%	0.80	±0.10	±0.10	0.13%	
	C1608NP0220☐HTA	1V,1MHz	22	pF	±5%,±2%	0.80	±0.10	±0.10	0.12%	
	C1608NP0240☐HTA	1V,1MHz	24	pF	±5%,±2%	0.80	±0.10	±0.10	0.11%	
	C1608NP0270☐HTA	1V,1MHz	27	pF	±5%,±2%	0.80	±0.10	±0.10	0.11%	
	C1608NP0300☐HTA	1V,1MHz	30	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0330☐HTA	1V,1MHz	33	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0360☐HTA	1V,1MHz	36	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0390☐HTA	1V,1MHz	39	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0430☐HTA	1V,1MHz	43	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0470☐HTA	1V,1MHz	47	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0560☐HTA	1V,1MHz	56	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0620☐HTA	1V,1MHz	62	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0680☐HTA	1V,1MHz	68	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0750☐HTA	1V,1MHz	75	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0820☐HTA	1V,1MHz	82	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0910☐HTA	1V,1MHz	91	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0101☐HTA	1V,1MHz	100	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0121☐HTA	1V,1MHz	120	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0151☐HTA	1V,1MHz	150	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0181☐HTA	1V,1MHz	180	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0201☐HTA	1V,1MHz	200	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0221☐HTA	1V,1MHz	220	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0271☐HTA	1V,1MHz	270	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0331☐HTA	1V,1MHz	330	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0391☐HTA	1V,1MHz	390	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0471☐HTA	1V,1MHz	470	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0561☐HTA	1V,1MHz	560	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0681☐HTA	1V,1MHz	680	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0821☐HTA	1V,1MHz	820	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0102☐HTA	1V,1MHz	1.0	nF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
50V	C1608NP0508☐GTA	1V,1MHz	0.50	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	Paper,4Kpcs
	C1608NP0758☐GTA	1V,1MHz	0.75	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0109☐GTA	1V,1MHz	1.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0129☐GTA	1V,1MHz	1.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.24%	
	C1608NP0159☐GTA	1V,1MHz	1.5	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	
	C1608NP0189☐GTA	1V,1MHz	1.8	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	
	C1608NP0209☐GTA	1V,1MHz	2.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	

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RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
50V	C1608NP0229☐GTA	1V,1MHz	2.2	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.23%	Paper,4Kpcs
	C1608NP0249☐GTA	1V,1MHz	2.4	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%	
	C1608NP0279☐GTA	1V,1MHz	2.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%	
	C1608NP0309☐GTA	1V,1MHz	3.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.22%	
	C1608NP0339☐GTA	1V,1MHz	3.3	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%	
	C1608NP0399☐GTA	1V,1MHz	3.9	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%	
	C1608NP0409☐GTA	1V,1MHz	4.0	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.21%	
	C1608NP0479☐GTA	1V,1MHz	4.7	pF	±0.25pF,±0.1pF	0.80	±0.10	±0.10	0.20%	
	C1608NP0509☐GTA	1V,1MHz	5.0	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.20%	
	C1608NP0569☐GTA	1V,1MHz	5.6	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.20%	
	C1608NP0609☐GTA	1V,1MHz	6.0	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0629☐GTA	1V,1MHz	6.2	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0689☐GTA	1V,1MHz	6.8	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0709☐GTA	1V,1MHz	7.0	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.19%	
	C1608NP0829☐GTA	1V,1MHz	8.2	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.18%	
	C1608NP0909☐GTA	1V,1MHz	9.0	pF	±0.5pF,±0.25pF	0.80	±0.10	±0.10	0.17%	
	C1608NP0100☐GTA	1V,1MHz	10	pF	±5%,±2%	0.80	±0.10	±0.10	0.17%	
	C1608NP0120☐GTA	1V,1MHz	12	pF	±5%,±2%	0.80	±0.10	±0.10	0.16%	
	C1608NP0150☐GTA	1V,1MHz	15	pF	±5%,±2%	0.80	±0.10	±0. 10	0.14%	
	C1608NP0180☐GTA	1V,1MHz	18	pF	±5%,±2%	0.80	±0.10	±0.10	0.13%	
	C1608NP0220☐GTA	1V,1MHz	22	pF	±5%,±2%	0.80	±0.10	±0.10	0.12%	
	C1608NP0270☐GTA	1V,1MHz	27	pF	±5%,±2%	0.80	±0.10	±0.10	0.11%	
	C1608NP0330☐GTA	1V,1MHz	33	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0390☐GTA	1V,1MHz	39	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0470☐GTA	1V,1MHz	47	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0560☐GTA	1V,1MHz	56	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0620☐GTA	1V,1MHz	62	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0680☐GTA	1V,1MHz	68	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0820☐GTA	1V,1MHz	82	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0101☐GTA	1V,1MHz	100	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0121☐GTA	1V,1MHz	120	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0151☐GTA	1V,1MHz	150	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0181☐GTA	1V,1MHz	180	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0201☐GTA	1V,1MHz	200	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0221☐GTA	1V,1MHz	220	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0271☐GTA	1V,1MHz	270	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0331☐GTA	1V,1MHz	330	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0391☐GTA	1V,1MHz	390	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0471☐GTA	1V,1MHz	470	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0561☐GTA	1V,1MHz	560	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0681☐GTA	1V,1MHz	680	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0821☐GTA	1V,1MHz	820	pF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0102☐GTA	1V,1MHz	1.0	nF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0152☐GTA	1V,1kHz	1.5	nF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0222☐GTA	1V,1kHz	2.2	nF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0332☐GTA	1V,1kHz	3.3	nF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0472☐GTA	1V,1kHz	4.7	nF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0682☐GTA	1V,1kHz	6.8	nF	±5%,±2%	0.80	±0.10	±0.10	0.10%	
	C1608NP0103☐GTA	1V,1kHz	10	nF	±5%,±2%	0.80	±0.10	±0.10	0.10%	

☐ Tolerance Code: B=±0.1pF, C=±0.25pF ,D=±0.5pF,G=±2%, J=±5%; Special tolerance on the request.

- C2012NP0_A Series (EIA0805)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
100V	C2012NP0100☐HTA	1V,1MHz	10	pF	±5%,±2%	0.60	±0.20	±0.10	0.17%	Paper,4Kpcs
	C2012NP0120☐HTA	1V,1MHz	12	pF	±5%,±2%	0.60	±0.20	±0.10	0.16%	
	C2012NP0150☐HTA	1V,1MHz	15	pF	±5%,±2%	0.60	±0.20	±0.10	0.14%	
	C2012NP0180☐HTA	1V,1MHz	18	pF	±5%,±2%	0.60	±0.20	±0.10	0.13%	
	C2012NP0220☐HTA	1V,1MHz	22	pF	±5%,±2%	0.60	±0.20	±0.10	0.12%	
	C2012NP0240☐HTA	1V,1MHz	24	pF	±5%,±2%	0.60	±0.20	±0.10	0.11%	
	C2012NP0270☐HTA	1V,1MHz	27	pF	±5%,±2%	0.60	±0.20	±0.10	0.11%	
	C2012NP0300☐HTA	1V,1MHz	30	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0330☐HTA	1V,1MHz	33	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0390☐HTA	1V,1MHz	39	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0430☐HTA	1V,1MHz	43	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0470☐HTA	1V,1MHz	47	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0560☐HTA	1V,1MHz	56	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0620☐HTA	1V,1MHz	62	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0680☐HTA	1V,1MHz	68	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0750☐HTA	1V,1MHz	75	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0820☐HTA	1V,1MHz	82	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0101☐HTA	1V,1MHz	100	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0121☐HTA	1V,1MHz	120	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0151☐HTA	1V,1MHz	150	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0181☐HTA	1V,1MHz	180	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0221☐HTA	1V,1MHz	220	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0271☐HTA	1V,1MHz	270	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0331☐HTA	1V,1MHz	330	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0391☐HTA	1V,1MHz	390	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0471☐HTA	1V,1MHz	470	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0561☐HTA	1V,1MHz	560	pF	±5%,±2%	0.85	±0.20	±0.10	0.10%	
	C2012NP0681☐HTA	1V,1MHz	680	pF	±5%,±2%	0.85	±0.20	±0.10	0.10%	
	C2012NP0821☐HTA	1V,1MHz	820	pF	±5%,±2%	0.85	±0.20	±0.10	0.10%	
	C2012NP0102☐HTA	1V,1MHz	1.0	nF	±5%,±2%	0.85	±0.20	±0.10	0.10%	
50V	C2012NP0100☐GTA	1V,1MHz	10	pF	±5%,±2%	0.60	±0.20	±0.10	0.17%	Paper,4Kpcs
	C2012NP0120☐GTA	1V,1MHz	12	pF	±5%,±2%	0.60	±0.20	±0.10	0.16%	
	C2012NP0150☐GTA	1V,1MHz	15	pF	±5%,±2%	0.60	±0.20	±0.10	0.14%	
	C2012NP0180☐GTA	1V,1MHz	18	pF	±5%,±2%	0.60	±0.20	±0.10	0.13%	
	C2012NP0220☐GTA	1V,1MHz	22	pF	±5%,±2%	0.60	±0.20	±0.10	0.12%	
	C2012NP0240☐GTA	1V,1MHz	24	pF	±5%,±2%	0.60	±0.20	±0.10	0.11%	
	C2012NP0270☐GTA	1V,1MHz	27	pF	±5%,±2%	0.60	±0.20	±0.10	0.11%	
	C2012NP0330☐GTA	1V,1MHz	33	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0360☐GTA	1V,1MHz	36	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0390☐GTA	1V,1MHz	39	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0430☐GTA	1V,1MHz	43	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0470☐GTA	1V,1MHz	47	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0560☐GTA	1V,1MHz	56	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0680☐GTA	1V,1MHz	68	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0750☐GTA	1V,1MHz	75	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0820☐GTA	1V,1MHz	82	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0101☐GTA	1V,1MHz	100	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0121☐GTA	1V,1MHz	120	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0151☐GTA	1V,1MHz	150	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0181☐GTA	1V,1MHz	180	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0221☐GTA	1V,1MHz	220	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0271☐GTA	1V,1MHz	270	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0331☐GTA	1V,1MHz	330	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0391☐GTA	1V,1MHz	390	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0471☐GTA	1V,1MHz	470	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0561☐GTA	1V,1MHz	560	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0681☐GTA	1V,1MHz	680	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0821☐GTA	1V,1MHz	820	pF	±5%,±2%	0.60	±0.20	±0.10	0.10%	
	C2012NP0102☐GTA	1V,1MHz	1.0	nF	±5%,±2%	0.60	±0.20	±0.10	0.10%	

☐ Tolerance Code: G=±2%, J=±5%; Special tolerance on the request.

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

■ X7R Series

● C0603X7R_A Series (EIA0201)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
25V	C0603X7R222KFTA	1V,1kHz	2.2	nF	±10%	0.30	± 0.03	± 0.03	3.5%	Paper,15Kpcs
16V	C0603X7R472KETA	1V,1kHz	4.7	nF	±10%	0.30	± 0.03	± 0.03	5.0%	Paper,15Kpcs
10V	C0603X7R103KDTA	1V,1kHz	10	nF	±10%	0.30	± 0.03	± 0.03	5.0%	Paper,15Kpcs

● C1005X7R_A Series (EIA0402)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
50V	C1005X7R101KGTA	1V,1kHz	100	pF	±10%	0.50	±0.05	±0.05	3.0%	Paper,10Kpcs
	C1005X7R151KGTA	1V,1kHz	151	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R221KGTA	1V,1kHz	220	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R271KGTA	1V,1kHz	270	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R331KGTA	1V,1kHz	330	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R391KGTA	1V,1kHz	390	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R471KGTA	1V,1kHz	470	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R561KGTA	1V,1kHz	560	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R681KGTA	1V,1kHz	680	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R751KGTA	1V,1kHz	750	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R821KGTA	1V,1kHz	820	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R102KGTA	1V,1kHz	1.0	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R122KGTA	1V,1kHz	1.2	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R152KGTA	1V,1kHz	1.5	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R182KGTA	1V,1kHz	1.8	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R222KGTA	1V,1kHz	2.2	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R272KGTA	1V,1kHz	2.7	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R332KGTA	1V,1kHz	3.3	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R392KGTA	1V,1kHz	3.9	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R472KGTA	1V,1kHz	4.7	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R562KGTA	1V,1kHz	5.6	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R682KGTA	1V,1kHz	6.8	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R822KGTA	1V,1kHz	8.2	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R103KGTA	1V,1kHz	10	nF	±10%	0.50	±0.05	±0.05	3.0%	
25V	C1005X7R221KFTA	1V,1kHz	220	pF	±10%	0.50	±0.05	±0.05	3.0%	Paper,10Kpcs
	C1005X7R271KFTA	1V,1kHz	270	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R331KFTA	1V,1kHz	330	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R391KFTA	1V,1kHz	390	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R471KFTA	1V,1kHz	470	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R561KFTA	1V,1kHz	560	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R681KFTA	1V,1kHz	680	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R821KFTA	1V,1kHz	820	pF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R102KFTA	1V,1kHz	1.0	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R122KFTA	1V,1kHz	1.2	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R152KFTA	1V,1kHz	1.5	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R182KFTA	1V,1kHz	1.8	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R222KFTA	1V,1kHz	2.2	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R272KFTA	1V,1kHz	2.7	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R332KFTA	1V,1kHz	3.3	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R392KFTA	1V,1kHz	3.9	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R472KFTA	1V,1kHz	4.7	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R562KFTA	1V,1kHz	5.6	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R682KFTA	1V,1kHz	6.8	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R822KFTA	1V,1kHz	8.2	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R103KFTA	1V,1kHz	10	nF	±10%	0.50	±0.05	±0.05	3.0%	
	C1005X7R123KFTA	1V,1kHz	12	nF	±10%	0.50	±0.05	±0.05	3.5%	
25V	C1005X7R153KFTA	1V,1kHz	15	nF	±10%	0.50	±0.05	±0.05	3.5%	Paper,10Kpcs
	C1005X7R183KFTA	1V,1kHz	18	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R223KFTA	1V,1kHz	22	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R273KFTA	1V,1kHz	27	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R333KFTA	1V,1kHz	33	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R473KFTA	1V,1kHz	47	nF	±10%	0.50	±0.05	±0.05	3.5%	
16V	C1005X7R221KETA	1V,1kHz	220	pF	±10%	0.50	±0.05	±0.05	3.5%	Paper,10Kpcs
	C1005X7R271KETA	1V,1kHz	270	pF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R331KETA	1V,1kHz	330	pF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R391KETA	1V,1kHz	390	pF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R471KETA	1V,1kHz	470	pF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R561KETA	1V,1kHz	560	pF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R681KETA	1V,1kHz	680	pF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R821KETA	1V,1kHz	820	pF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R102KETA	1V,1kHz	1.0	nF	±10%	0.50	±0.05	±0.05	3.5%	

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
16V	C1005X7R122KETA	1V,1kHz	1.2	nF	±10%	0.50	±0.05	±0.05	3.5%	Paper,10Kpcs
	C1005X7R152KETA	1V,1kHz	1.5	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R182KETA	1V,1kHz	1.8	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R222KETA	1V,1kHz	2.2	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R272KETA	1V,1kHz	2.7	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R332KETA	1V,1kHz	3.3	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R392KETA	1V,1kHz	3.9	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R472KETA	1V,1kHz	4.7	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R562KETA	1V,1kHz	5.6	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R682KETA	1V,1kHz	6.8	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R822KETA	1V,1kHz	8.2	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R103KETA	1V,1kHz	10	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R123KETA	1V,1kHz	12	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R153KETA	1V,1kHz	15	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R183KETA	1V,1kHz	18	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R223KETA	1V,1kHz	22	nF	±10%	0.50	±0.05	±0.05	3.5%	
	C1005X7R273KETA	1V,1kHz	27	nF	±10%	0.50	±0.05	±0.05	5.0%	
	C1005X7R333KETA	1V,1kHz	33	nF	±10%	0.50	±0.05	±0.05	5.0%	
	C1005X7R473KETA	1V,1kHz	47	nF	±10%	0.50	±0.05	±0.05	5.0%	
	C1005X7R563KETA	1V,1kHz	56	nF	±10%	0.50	±0.05	±0.05	5.0%	
	C1005X7R683KETA	1V,1kHz	68	nF	±10%	0.50	±0.05	±0.05	5.0%	
	C1005X7R823KETA	1V,1kHz	82	nF	±10%	0.50	±0.05	±0.05	5.0%	
	C1005X7R104KETA	1V,1kHz	100	nF	±10%	0.50	±0.10	±0.10	5.0%	
10V	C1005X7R103KDTA	1V,1kHz	10	nF	±10%	0.50	±0.05	±0.05	3.5%	Paper,10Kpcs
	C1005X7R104KDTA	1V,1kHz	100	nF	±10%	0.50	±0.10	±0.10	5.0%	
	C1005X7R224KDTA	1V,1kHz	220	nF	±10%	0.50	±0.10	±0.10	10.0%	

- C1608X7R_A Series (EIA0603)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
100V	C1608X7R102KHTA	1V,1kHz	1.0	nF	±10%	0.80	±0.10	±0.10	3.0%	Paper,4Kpcs
	C1608X7R122KHTA	1V,1kHz	1.2	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R152KHTA	1V,1kHz	1.5	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R182KHTA	1V,1kHz	1.8	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R222KHTA	1V,1kHz	2.2	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R272KHTA	1V,1kHz	2.7	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R332KHTA	1V,1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R392KHTA	1V,1kHz	3.9	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R472KHTA	1V,1kHz	4.7	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R562KHTA	1V,1kHz	5.6	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R682KHTA	1V,1kHz	6.8	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R822KHTA	1V,1kHz	8.2	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R103KHTA	1V,1kHz	10	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R223KHTA	1V,1kHz	22	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R473KHTA	1V,1kHz	47	nF	±10%	0.80	±0.15	±0.15	5.0%	
50V	C1608X7R102KGTA	1V,1kHz	1.0	nF	±10%	0.80	±0.10	±0.10	3.0%	Paper,4Kpcs
	C1608X7R122KGTA	1V,1kHz	1.2	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R152KGTA	1V,1kHz	1.5	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R182KGTA	1V,1kHz	1.8	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R222KGTA	1V,1kHz	2.2	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R272KGTA	1V,1kHz	2.7	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R332KGTA	1V,1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R392KGTA	1V,1kHz	3.9	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R472KGTA	1V,1kHz	4.7	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R562KGTA	1V,1kHz	5.6	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R682KGTA	1V,1kHz	6.8	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R822KGTA	1V,1kHz	8.2	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R103KGTA	1V,1kHz	10	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R223KGTA	1V,1kHz	22	nF	±10%	0.80	±0.10	±0.10	3.0%	
	C1608X7R273KGTA	1V,1kHz	27	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R393KGTA	1V,1kHz	39	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R473KGTA	1V,1kHz	47	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R563KGTA	1V,1kHz	56	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R683KGTA	1V,1kHz	68	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R823KGTA	1V,1kHz	82	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R104KGTA	1V,1kHz	100	nF	±10%	0.80	±0.15	±0.15	3.5%	
25V	C1608X7R682KFTA	1V,1kHz	6.8	nF	±10%	0.80	±0.10	±0.10	3.0%	Paper,4Kpcs
	C1608X7R273KFTA	1V,1kHz	27	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R393KFTA	1V,1kHz	39	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R104KFTA	1V,1kHz	100	nF	±10%	0.80	±0.15	±0.15	3.5%	
16V	C1608X7R102KETA	1V,1kHz	1.0	nF	±10%	0.80	±0.10	±0.10	3.5%	Paper,4Kpcs
	C1608X7R122KETA	1V,1kHz	1.2	nF	±10%	0.80	±0.10	±0.10	3.5%	

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
16V	C1608X7R152KETA	1V,1kHz	1.5	nF	±10%	0.80	±0.10	±0.10	3.5%	Paper,4Kpcs
	C1608X7R182KETA	1V,1kHz	1.8	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R222KETA	1V,1kHz	2.2	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R272KETA	1V,1kHz	2.7	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R332KETA	1V,1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R392KETA	1V,1kHz	3.9	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R472KETA	1V,1kHz	4.7	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R562KETA	1V,1kHz	5.6	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R682KETA	1V,1kHz	6.8	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R822KETA	1V,1kHz	8.2	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R103KETA	1V,1kHz	10	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R223KETA	1V,1kHz	22	nF	±10%	0.80	±0.10	±0.10	3.5%	
	C1608X7R273KETA	1V,1kHz	27	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R393KETA	1V,1kHz	39	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R473KETA	1V,1kHz	47	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R563KETA	1V,1kHz	56	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R683KETA	1V,1kHz	68	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R823KETA	1V,1kHz	82	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R104KETA	1V,1kHz	100	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R154KETA	1V,1kHz	150	nF	±10%	0.80	±0.15	±0.15	3.5%	
	C1608X7R224KETA	1V,1kHz	220	nF	±10%	0.80	±0.15	±0.15	3.5%	
10V	C1608X7R102KDTA	1V,1kHz	1.0	nF	±10%	0.80	±0.10	±0.10	5.0%	Paper,4Kpcs
	C1608X7R122KDTA	1V,1kHz	1.2	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R152KDTA	1V,1kHz	1.5	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R182KDTA	1V,1kHz	1.8	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R222KDTA	1V,1kHz	2.2	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R272KDTA	1V,1kHz	2.7	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R332KDTA	1V,1kHz	3.3	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R392KDTA	1V,1kHz	3.9	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R472KDTA	1V,1kHz	4.7	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R562KDTA	1V,1kHz	5.6	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R682KDTA	1V,1kHz	6.8	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R822KDTA	1V,1kHz	8.2	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R103KDTA	1V,1kHz	10	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R223KDTA	1V,1kHz	22	nF	±10%	0.80	±0.10	±0.10	5.0%	
	C1608X7R273KDTA	1V,1kHz	27	nF	±10%	0.80	±0.15	±0.15	5.0%	
	C1608X7R393KDTA	1V,1kHz	39	nF	±10%	0.80	±0.15	±0.15	5.0%	
	C1608X7R473KDTA	1V,1kHz	47	nF	±10%	0.80	±0.15	±0.15	5.0%	
	C1608X7R563KDTA	1V,1kHz	56	nF	±10%	0.80	±0.15	±0.15	5.0%	
	C1608X7R683KDTA	1V,1kHz	68	nF	±10%	0.80	±0.15	±0.15	5.0%	
	C1608X7R823KDTA	1V,1kHz	82	nF	±10%	0.80	±0.15	±0.15	5.0%	
	C1608X7R104KDTA	1V,1kHz	100	nF	±10%	0.80	±0.15	±0.15	5.0%	
	C1608X7R154KDTA	1V,1kHz	150	nF	±10%	0.80	±0.15	±0.15	5.0%	
	C1608X7R184KDTA	1V,1kHz	180	nF	±10%	0.80	±0.15	±0.15	5.0%	
	C1608X7R224KDTA	1V,1kHz	220	nF	±10%	0.80	±0.15	±0.15	5.0%	

- C2012X7R_A Series (EIA0805)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
100V	C2012X7R102KHTAE	1V,1kHz	1.0	nF	±10%	0.85	±0.20	±0.10	3.0%	Paper,4Kpcs
	C2012X7R122KHTAE	1V,1kHz	1.2	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R152KHTAE	1V,1kHz	1.5	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R182KHTAE	1V,1kHz	1.8	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R222KHTAE	1V,1kHz	2.2	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R272KHTAE	1V,1kHz	2.7	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R332KHTAE	1V,1kHz	3.3	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R392KHTAE	1V,1kHz	3.9	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R472KHTAE	1V,1kHz	4.7	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R562KHTAE	1V,1kHz	5.6	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R682KHTAE	1V,1kHz	6.8	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R822KHTAE	1V,1kHz	8.2	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R103KHTAE	1V,1kHz	10	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R123KHTAE	1V,1kHz	12	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R153KHTAE	1V,1kHz	15	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R183KHTAE	1V,1kHz	18	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R223KHTAE	1V,1kHz	22	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R333KHPAG	1V,1kHz	33	nF	±10%	1.25	±0.20	±0.20	2.5%	Embossed,3Kpcs
	C2012X7R473KHPAG	1V,1kHz	47	nF	±10%	1.25	±0.20	±0.20	2.5%	
	C2012X7R563KHPAG	1V,1kHz	56	nF	±10%	1.25	±0.20	±0.20	2.5%	
	C2012X7R683KHPAG	1V,1kHz	68	nF	±10%	1.25	±0.20	±0.20	2.5%	
	C2012X7R823KHPAG	1V,1kHz	82	nF	±10%	1.25	±0.20	±0.20	2.5%	
100V	C2012X7R104KHPAG	1V,1kHz	100	nF	±10%	1.25	±0.20	±0.20	5.0%	Embossed,3Kpcs
50V	C2012X7R102KGTAE	1V,1kHz	1.0	nF	±10%	0.85	±0.20	±0.10	3.0%	Paper,4Kpcs
	C2012X7R122KGTAE	1V,1kHz	1.2	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R152KGTAE	1V,1kHz	1.5	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R182KGTAE	1V,1kHz	1.8	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R222KGTAE	1V,1kHz	2.2	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R272KGTAE	1V,1kHz	2.7	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R332KGTAE	1V,1kHz	3.3	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R392KGTAE	1V,1kHz	3.9	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R472KGTAE	1V,1kHz	4.7	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R562KGTAE	1V,1kHz	5.6	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R682KGTAE	1V,1kHz	6.8	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R822KGTAE	1V,1kHz	8.2	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R103KGTAE	1V,1kHz	10	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R123KGTAE	1V,1kHz	12	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R153KGTAE	1V,1kHz	15	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R183KGTAE	1V,1kHz	18	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R223KGTAE	1V,1kHz	22	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R273KGTAE	1V,1kHz	27	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R333KGTAE	1V,1kHz	33	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R393KGTAE	1V,1kHz	39	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R473KGTAE	1V,1kHz	47	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R563KGTAE	1V,1kHz	56	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R683KGTAE	1V,1kHz	68	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R683KGPAG	1V,1kHz	68	nF	±10%	1.25	±0.20	±0.20	3.0%	Embossed,3Kpcs
	C2012X7R823KGTAE	1V,1kHz	82	nF	±10%	0.85	±0.20	±0.10	3.0%	Paper,4Kpcs
	C2012X7R823KGPAG	1V,1kHz	82	nF	±10%	1.25	±0.20	±0.20	3.0%	Embossed,3Kpcs
	C2012X7R104KGTAE	1V,1kHz	100	nF	±10%	0.85	±0.20	±0.10	3.0%	Paper,4Kpcs
	C2012X7R104KGPAG	1V,1kHz	100	nF	±10%	1.25	±0.20	±0.20	3.0%	Embossed,3Kpcs
	C2012X7R154KGTAE	1V,1kHz	150	nF	±10%	0.85	±0.20	±0.10	3.0%	Paper,4Kpcs
	C2012X7R224KGPAG	1V,1kHz	220	nF	±10%	1.25	±0.20	±0.20	3.5%	Embossed,3Kpcs
25V	C2012X7R102KFTAE	1V,1kHz	1.0	nF	±10%	0.85	±0.20	±0.10	3.0%	Paper,4Kpcs
	C2012X7R122KFTAE	1V,1kHz	1.2	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R152KFTAE	1V,1kHz	1.5	nF	±10%	0.85	±0.20	±0.10	3.0%	
25V	C2012X7R182KFTAE	1V,1kHz	1.8	nF	±10%	0.85	±0.20	±0.10	3.0%	Paper,4Kpcs
	C2012X7R222KFTAE	1V,1kHz	2.2	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R272KFTAE	1V,1kHz	2.7	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R332KFTAE	1V,1kHz	3.3	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R392KFTAE	1V,1kHz	3.9	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R472KFTAE	1V,1kHz	4.7	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R562KFTAE	1V,1kHz	5.6	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R682KFTAE	1V,1kHz	6.8	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R822KFTAE	1V,1kHz	8.2	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R103KFTAE	1V,1kHz	10	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R123KFTAE	1V,1kHz	12	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R153KFTAE	1V,1kHz	15	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R183KFTAE	1V,1kHz	18	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R223KFTAE	1V,1kHz	22	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R273KFTAE	1V,1kHz	27	nF	±10%	0.85	±0.20	±0.10	2.5%	
	C2012X7R333KFTAE	1V,1kHz	33	nF	±10%	0.85	±0.20	±0.10	2.5%	
	C2012X7R393KFTAE	1V,1kHz	39	nF	±10%	0.85	±0.20	±0.10	2.5%	

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

RV	DARFON P/N	Measuring Condition	Capacitance		Available Tolerance	Thick. (mm)	Tolerance(mm)		DF (max.)	Standard Packing
			Value	Unit			L/W	Thick.		
	C2012X7R473KFTAE	1V,1kHz	47	nF	±10%	0.85	±0.20	±0.10	2.5%	
	C2012X7R563KFTAE	1V,1kHz	56	nF	±10%	0.85	±0.20	±0.10	2.5%	
	C2012X7R683KFTAE	1V,1kHz	68	nF	±10%	0.85	±0.20	±0.10	2.5%	
	C2012X7R823KFTAE	1V,1kHz	82	nF	±10%	0.85	±0.20	±0.10	2.5%	
	C2012X7R104KFTAE	1V,1kHz	100	nF	±10%	0.85	±0.20	±0.10	2.5%	
	C2012X7R124KFTAE	1V,1kHz	120	nF	±10%	0.85	±0.20	±0.10	2.5%	
	C2012X7R154KFTAE	1V,1kHz	150	nF	±10%	0.85	±0.20	±0.10	2.5%	
	C2012X7R184KFTAE	1V,1kHz	180	nF	±10%	0.85	±0.20	±0.10	3.0%	
	C2012X7R224KFTAE	1V,1kHz	220	nF	±10%	0.85	±0.20	±0.10	3.5%	
	C2012X7R334KFPAG	1V,1kHz	330	nF	±10%	1.25	±0.20	±0.20	5.0%	
	C2012X7R474KFPAG	1V,1kHz	470	nF	±10%	1.25	±0.20	±0.20	5.0%	Embossed,3Kpcs
	C2012X7R105KFPAG	1V,1kHz	1.0	uF	±10%	1.25	±0.20	±0.20	5.0%	
10V	C2012X7R102KDTAE	1V,1kHz	1.0	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R122KDTAE	1V,1kHz	1.2	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R152KDTAE	1V,1kHz	1.5	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R182KDTAE	1V,1kHz	1.8	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R222KDTAE	1V,1kHz	2.2	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R272KDTAE	1V,1kHz	2.7	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R332KDTAE	1V,1kHz	3.3	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R392KDTAE	1V,1kHz	3.9	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R472KDTAE	1V,1kHz	4.7	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R562KDTAE	1V,1kHz	5.6	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R682KDTAE	1V,1kHz	6.8	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R822KDTAE	1V,1kHz	8.2	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R103KDTAE	1V,1kHz	10	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R123KDTAE	1V,1kHz	12	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R153KDTAE	1V,1kHz	15	nF	±10%	0.85	±0.20	±0.10	5.0%	Paper,4Kpcs
	C2012X7R183KDTAE	1V,1kHz	18	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R223KDTAE	1V,1kHz	22	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R273KDTAE	1V,1kHz	27	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R333KDTAE	1V,1kHz	33	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R393KDTAE	1V,1kHz	39	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R473KDTAE	1V,1kHz	47	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R563KDTAE	1V,1kHz	56	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R683KDTAE	1V,1kHz	68	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R823KDTAE	1V,1kHz	82	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R104KDTAE	1V,1kHz	100	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R124KDTAE	1V,1kHz	120	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R154KDTAE	1V,1kHz	150	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R184KDTAE	1V,1kHz	180	nF	±10%	0.85	±0.20	±0.10	5.0%	
	C2012X7R224KDTAE	1V,1kHz	220	nF	±10%	0.85	±0.20	±0.10	5.0%	Paper,4Kpcs
10V	C2012X7R334KDPAG	1V,1kHz	330	nF	±10%	1.25	±0.20	±0.20	5.0%	
	C2012X7R474KDPAG	1V,1kHz	470	nF	±10%	1.25	±0.20	±0.20	5.0%	Embossed,3Kpcs
	C2012X7R105KDPAG	1V,1kHz	1.0	uF	±10%	1.25	±0.20	±0.20	5.0%	

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