



C Series Commercial Grade Mid Voltage (100 to 630V)

Type: C1005 [EIA CC0402]

C1608 [EIA CC0603] C2012 [EIA CC0805] C3216 [EIA CC1206] C3225 [EIA CC1210] C4532 [EIA CC1812] C5750 [EIA CC2220]

Issue date: Jan 2014



REMINDERS

Please read before using this product

SAFETY REMINDERS



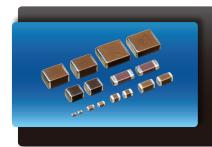
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(Example)

Catalog Issued date	Catalog Number	Item Description (On Delivery Label)
Prior to January 2013	C1608C0G1E103J	C1608C0G1E103JT000N
January 2013 and Later	C1608C0G1E103J080AA	C1608C0G1E103JT000N



C Series







Mid Voltage (100 to 630V)

Type: C1005 [EIA CC0402], C1608 [EIA CC0603], C2012 [EIA CC0805], C3216 [EIA CC1206], C3225 [EIA CC1210], C4532 [EIA CC1812], C5750 [EIA CC2220]

Features



- Voltage rating of 100V to 630V with capacitance range up to 15μF.
- High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers.
- · Low residual inductance assures superior frequency characteristics.
- · Excellent DC Bias properties.
- A lineup with wide-ranging rated voltages that enables selections that are suitable for needs.

Applications



- Snubber in power supply
- · Electric flash circuits in digital still camera
- Power factor improvement
- · Input-output filter in power supply
- · Driver circuit in plasma display
- · Noise bypass

Shape & Dimensions





L	Body Length
W	Body Width
Т	Body Height
В	Terminal Width
G	Terminal Spacing

Catalog Number Construction

C • 3225 • X7R • 2A • 105 • K • 200 • A • A

Series Name •

Dimensions L x W (mm)

Code	Length	Width	Terminal
C1005	1.00 ± 0.05	0.50 ± 0.05	0.10 min.
C1608	1.60 ± 0.10	0.80 ± 0.10	0.20 min.
C2012	2.00 ± 0.20	1.25 ± 0.20	0.20 min.
C3216	3.20 ± 0.20	1.60 ± 0.20	0.20 min.
C3225	3.20 ± 0.40	2.50 ± 0.30	0.20 min.
C4532	4.50 ± 0.40	3.20 ± 0.40	0.20 min.
C5750	5.70 ± 0.40	5.00 ± 0.40	0.20 min.
*Dimension to	lerance are typical valu	es	

Temperature Characteristics •

Temperature Characteristics	Temperature Coefficient or Capacitance Change	Temperature Range
CH	0±60 ppm/°C	-25 to +85°C
C0G	0±30 ppm/°C	-55 to +125°C
JB	±10%	-25 to +85°C
X5R	±15%	-55 to +85°C
X6S	±22%	-55 to +105°C
X7R	±15%	-55 to +125°C
X7S	±22%	-55 to +125°C
X7T	+22/-33%	-55 to +125°C

Rated Voltage (DC) •

Code	Voltage (DC)
2A	100V
2E	250V
2V	350V
2W	450V
2J	630V

Nominal Capacitance (pF) •

The capacitance is expressed in three digit codes and in units of pico Farads (pF). The first and second digits identify the first and second significant figures of the capacitance. The third digit identifies the multiplier. R designates a decimal point. Ex. 0R2 = 0.2pF; 103 = 10,000pF; 105 = 1,000,000pF = 100nF

Capacitance Tolerance •

Code	Tolerance
С	± 0.25pF
D	± 0.50pF
F	± 1%
G	± 2%
J	± 5%
K	± 10%
M	± 20%

Nominal Thickness

Code	Thickness	Code	Thickness
050	0.50 mm	130	1.30 mm
060	0.60 mm	160	1.60 mm
080	0.80 mm	200	2.00 mm
085	0.85 mm	230	2.30 mm
115	1.15 mm	250	2.50 mm
125	1.25 mm	280	2.80 mm
		320	3.20 mm

Packaging Style •

Code	Style
A	178" Reel, 4mm Pitch
В	178" Reel, 2mm Pitch
K	178" Reel, 8mm Pitch

Special Reserved Code

Code	Description
A, B, C	TDK Internal Code

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EIA CC0402 [C1005]

Capacitance Range Chart

Temperature Characteristics: C0G (0 \pm 30ppm/°C), CH (0 \pm 60ppm/°C), X7S Rated Voltage: 100V (2A)

			COG	СН	X7S	
Capacitance (pF)	Code	Tolerance	2A (100V)	2A (100V)	2A (100V)	
100	101	J: ± 5%				
120	121	K: ± 10%				
150	151	M: ± 20%				
180	181					
220	221					
270	271					
330	331					
390	391					
470	471					
1,000	102					
1,500	152					
2,200	222					
3,300	332					
4,700	472					
6,800	682					
10,000	103					

Standard Thickness
0.50 mm





EIA CC0603 [C1608]

Capacitance Range Chart

Temperature Characteristics: C0G (0 \pm 30ppm/°C), CH (0 \pm 60ppm/°C), JB (\pm 10%), X5R (\pm 15%), X7R (\pm 15%), X7S (\pm 22%) Rated Voltage: 250V (2E), 100V (2A)

Compolitore			C)G	С	Н	JB	X5R	X7R	X7S
Capacitance (pF)	Code	Tolerance	2E (250V)	2A (100V)	2E (250V)	2A (100V)	2A (100V)	2A (100V)	2A (100V)	2A (100V)
1	010	C: ± 0.25pF								
1.5	1R5	D: ± 0.50pF								
2	020	F:±1%								
2.2	2R2	G: ± 2%								
3	030	J:±5%								
3.3	3R3	K:±10%								
4	040	M: ± 20%		-		-				
4.7 5	4R7 050	_								
6	060			-		-				
6.8	6R8	-								
7	070	-		-		-				
8	080	_				-				
9	090	-								
10	100	-								
12	120	-								
15	150									
18	180									
22	220									
27	270									
33	330									
39	390									
47	470	-								
56	560									
68	680									
82	820	-		-						
100 120	101 121	-	•		-	-				
150	151	_	•	-	-	-				
180	181	_								
220	221	-		-		-				
270	271	-								
330	331	-	-							
390	391	-								
470	471	-								
560	561									
680	681									
820	821									
1,000	102									
1,200	122									
1,500	152	_								
1,800	182	_								
2,200	222	-								
2,700	272	-								
3,300	332 472	-								
4,700 6,800	682	-								
10,000	103	-								
15,000	153	-								
22,000	223	-								
33,000	333	-								
47,000	473	1								
68,000	683	1								
100,000	104	1								

Standard Thickness
0.80 mm





EIA CC0805 [C2012]

Capacitance Range Chart

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH (0 ± 60ppm/°C) Rated Voltage: 450V (2W), 250V (2E), 100V (2A)

0				COG		CH			
Capacitance (pF)	Code	Tolerance	2W (450V)	2E (250V)	2A (100V)	2W (450V)	2E (250V)	2A (100V)	
100	101	J:±5%							
120	121	K:±10%							
150	151	M: ± 20%							
180	181								
220	221								
270	271								
330	331								
390	391								
470	471								
560	561								
680	681								
820	821								
1,000	102								
1,200	122								
1,500	152								
1,800	182								
2,200	222								
2,700	272								
3,300	332								
3,900	392								
4,700	472								Standard Thickness
5,600	562								0.60 mm
6,800	682								
8,200	822								0.85 mm
10,000	103								1.25 mm

Capacitance Range Chart

Temperature Characteristics: JB (±10%), X5R (±15%), X7R (±15%), X7S (±22%), X7T (+22/-33%) Rated Voltage: 450V (2W), 350V (2V), 250V (2E),100V (2A)

Canacitanas			J	В	X	5R	X	7R	X7S		X7T		
Capacitance (pF)	Code	Tolerance	2E (250V)	2A (100V)	2E (250V)	2A (100V)	2E (250V)	2A (100V)	2A (100V)	2W (450V)	2V (350V)	2E (250V)	
1,000	102	J: ± 5%											
1,500	152	K: ± 10%											
2,200	222	M: ± 20%											
3,300	332												
4,700	472												
6,800	682												
10,000	103												
15,000	153												
22,000	223												
33,000	333												
47,000	473												
68,000	683												
100,000	104												
150,000	154												
220,000	224												_
330,000	334												S
470,000	474												
680,000	684												
1,000,000	105												



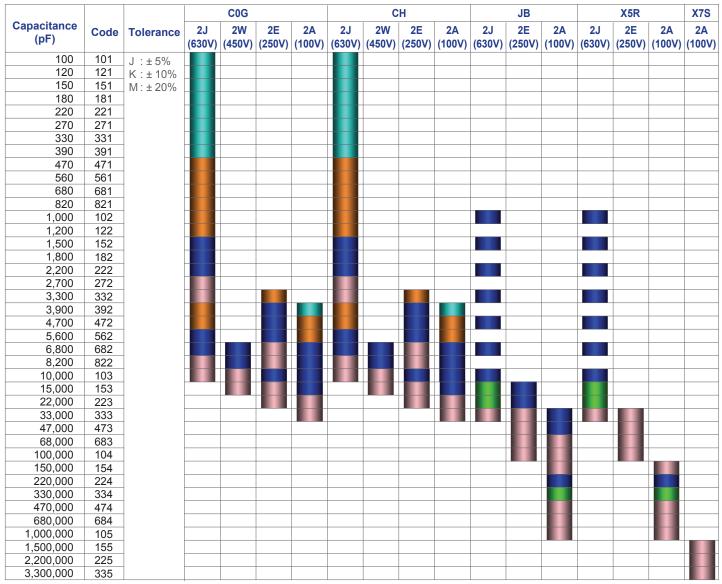




EIA CC1206 [C3216]

Capacitance Range Chart

Temperature Characteristics: C0G (0 \pm 30ppm/°C), CH (0 \pm 60ppm/°C), JB (\pm 10%), X5R (\pm 15%), X7S (\pm 22%) Rated Voltage: 630V (2J), 450V (2W), 250V (2E), 100V (2A)











EIA CC1206 [C3216]

Capacitance Range Chart

Temperature Characteristics: X7R (±15%), X7S (±22%), X7T (+22/-33%) Rated Voltage: 630V (2J), 450V (2W), 350V (2V), 250V (2E), 100V (2A)

0				X7R			X	7T		
Capacitance (pF)	Code	Tolerance	2J (630V)	2E (250V)	2A (100V)	2J (630V)	2W (450V)	2V (350V)	2E (250V)	
1,000	102	K: ± 10%								
1,500	152	M: ± 20%								
2,200	222									
3,300	332									
4,700	472									
6,800	682									
10,000	103									
15,000	153									
22,000	223									
33,000	333									
47,000	473			•	-					
68,000	683			-	-					
100,000 150,000	104 154				-					Standard Thickness
220,000	224									0.85 mm
330,000	334									1.15 mm
470,000	474									
680,000	684									1.30 mm
1,000,000	105									1.60 mm





EIA CC1210 [C3225]

Capacitance Range Chart

Temperature Characteristics: C0G (0 \pm 30ppm/°C), CH (0 \pm 60ppm/°C), JB (\pm 10%) Rated Voltage: 630V (2J), 450V (2W), 250V (2E), 100V (2A)

0				C	G			С	Н			JB		
Capacitance (pF)	Code	Tolerance	2J (630V)	2W (450V)	2E (250V)	2A (100V)	2J (630V)	2W (450V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	
3,900	392	J: ±5%												
4,700	472	K: ± 10%												
5,600	562	M: ± 20%												
6,800	682													
8,200	822													
10,000	103													
15,000	153													
22,000	223													
33,000	333													
47,000	473													
68,000	683													
100,000	104													Standard
150,000	154													Thickness
220,000	224													1.25 mm
330,000	334													1.60 mm
470,000	474													
680,000	684													2.00 mm
1,000,000	105													2.30 mm
1,500,000	155													
2,200,000	225													2.50 mm

Capacitance Range Chart

Temperature Characteristics: : X5R (±15%), X7R (±15%), X7S (±22%), X7T (+22/-33%) Rated Voltage: 630V (2J), 450V (2W), 250V (2E), 100V (2A)

Canacitanas				X5R			X7R		X7S		X7T		
Capacitance (pF)	Code	Tolerance	2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	2A (100V)	2J (630V)	2W (450V)	2E (250V)	
47,000	473	K: ± 10%											
68,000	683	M: ± 20%											
100,000	104												
150,000	154												
220,000	224												
330,000	334												
470,000	474												
680,000	684												Chandard Thiskness
1,000,000	105												Standard Thicknes
1,500,000	155												1.60 mm
2,200,000	225												2.00 mm
3,300,000	335												
4,700,000	475												2.30 mm





EIA CC1812 [C4532]

Capacitance Range Chart

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH (0 ± 60ppm/°C), JB (±10%) Rated Voltage: 630V (2J), 450V (2W), 250V (2E), 100V (2A)

				COG				C	H			JB		
Capacitance (pF)	Code	Tolerance	2J (630V)	2W (450V)	2E (250V)	2A (100V)	2J (630V)	2W (450V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	
8,200	822	J:±5%												
10,000	103	K:±10%												
15,000	153	M: ± 20%												
22,000	223													
33,000	333													
47,000	473													
68,000	683													Standard
100,000	104													Thickness
150,000	154													1.60
220,000	224													
330,000	334													2.00
680,000	684													2.30
1,000,000	105													2.50
1,500,000	155													
2,200,000	225													3.20

Capacitance Range Chart

Temperature Characteristics: X5R (±15%), X7R (±15%), X7S (±22%), X7T(+22%/-33%) Rated Voltage: 630V (2J), 450V (2W), 250V (2E), 100V (2A)

Canacitanas			X	5R		X7R		X7S		X7T		
Capacitance (pF)	Code	Tolerance	2J (630V)	2E (250V)	2J (630V)	2E (250V)	2A (100V)	2A (100V)	2J (630V)	2W (450V)	2E (250V)	
68,000	683	K: ± 10%										
100,000	104	M: ± 20%										
150,000	154											
220,000	224											
300,000	304											
330,000	334											
470,000	474											Standard Thickness
680,000	684											1.60 mm
1,000,000	105											
1,500,000	155											2.00 mm
2,200,000	225											2.30 mm
3,300,000	335											2.50 mm
4,700,000	475											2.50 11111





EIA CC2220 [C5750]

Capacitance Range Chart

Temperature Characteristics: C0G (0 ±30ppm/°C), CH (0 ±60ppm/°C) Rated Voltage: 630V (2J), 450V (2W), 250V (2E), 100V (2A)

				C)G			С	Н		
Capacitance (pF)	Code	Tolerance	2J (630V)	2W (450V)	2E (250V)	2A (100V)	2J (630V)	2W (450V)	2E (250V)	2A (100V)	Standard Thickness
68,000	683	K:±10%									2.30 mm
100,000	104	J: ±5%									2.80 mm
150,000	154										2.00

Capacitance Range Chart

Temperature Characteristics: JB (±10%), X5R (±15%), X6S (±22%)

Rated Voltage: 630V (2J), 250V (2E), 100V (2A)

		(=0); =001 (==)	, (,						
Canacitanas				JB			X5R		X6S	
Capacitance (pF)	Code	Tolerance	2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	2W (450V)	
150,000	154	K: ± 10%								
220,000	224	M: ± 20%								
330,000	334									
470,000	474									
680,000	684									Otanadanal Thislesses
1,000,000	105									Standard Thickness
1,500,000	155									1.60 mm
2,200,000	225									2.30 mm
3,300,000	335									
4,700,000	475									2.50 mm

Capacitance Range Chart

Temperature Characteristics: X7R (±15%), X7S (±22%), X7T (+22/-33%) Rated Voltage: 630V (2J), 450V (2W), 250V (2E), 100V (2A)

Consoltance				X7R		X7S		X7T		
Capacitance (pF)	Code	Tolerance	2J (630V)	2E (250V)	2A (100V)	2A (100V)	2J (630V)	2W (450V)	2E (250V)	
150,000	154	K: ± 10%								
220,000	224	M: ± 20%								
330,000	334									
470,000	474									
680,000	684									
1,000,000	105									
1,500,000	155									Standard Thickness
2,200,000	225									1.60 mm
3,300,000	335									
4,700,000	475									2.00 mm
6,800,000	685									2.30 mm
10,000,000	106									
15,000,000	156									2.50 mm





Class 1 (Temperature Compensating)

:t	0:	Thickness	Capacitance	Catalog Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
1 pF	1608	0.80 ± 0.10	± 0.25pF				C1608C0G2A010C080AA
1.5 pF	1608	0.80 ± 0.10	± 0.25pF				C1608C0G2A1R5C080A
2 pF	1608	0.80 ± 0.10	± 0.25pF				C1608C0G2A020C080A
2.2 pF	1608	0.80 ± 0.10	± 0.25pF				C1608C0G2A2R2C080A
3 pF	1608	0.80 ± 0.10	± 0.25pF				C1608C0G2A030C080A
3.3 pF	1608	0.80 ± 0.10	± 0.25pF				C1608C0G2A3R3C080A
4 pF	1608	0.80 ± 0.10	± 0.25pF				C1608C0G2A040C080A
4.7 pF	1608	0.80 ± 0.10	± 0.25pF				C1608C0G2A4R7C080A
5 pF	1608	0.80 ± 0.10	± 0.25pF				C1608C0G2A050C080A
6 pF	1608	0.80 ± 0.10	± 0.50pF				C1608C0G2A060D080A
6.8 pF	1608	0.80 ± 0.10	± 0.50pF				C1608C0G2A6R8D080A
7 pF	1608	0.80 ± 0.10	± 0.50pF				C1608C0G2A070D080A
8 pF	1608	0.80 ± 0.10	± 0.50pF				C1608C0G2A080D080A
9 pF	1608	0.80 ± 0.10	<u>.</u>				C1608C0G2A090D080A
			± 0.50pF				
10 pF	1608	0.80 ± 0.10	± 0.50pF				C1608C0G2A100D080A
12 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A120J080A
15 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A150J080A
18 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A180J080A
22 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A220J080A
27 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A270J080A
33 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A330J080A
39 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A390J080A
47 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A470J080A
56 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A560J080A
68 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A680J080A
82 pF	1608	0.80 ± 0.10	± 5%				C1608C0G2A820J080A
			± 10%		-		C1005C0G2A101K050B
	1005	0.50 ± 0.05	± 5%				C1005C0G2A101J050B/
			± 10%			C1608C0G2E101K080AA	C1608C0G2A101K080A
			± 5%			C1608C0G2E101J080AA	C1608C0G2A101J080A
	1608	0.80 ± 0.10	± 2%			0.0000000000000000000000000000000000000	C1608C0G2A101G080A
100 pF			± 1%				C1608C0G2A101F080A
			± 10%		C2012C0G2W101K060AA		010000002/11011000/1
	2012	0.60 ± 0.15	± 5%		C2012C0G2W101J060AA		
			± 10%	C3216C0G2J101K060AA	020120002W1013000AA		
	3216	0.60 ± 0.15					
			± 5%	C3216C0G2J101J060AA			04005000004041/050D
	1005	0.50 ± 0.05	± 10%				C1005C0G2A121K050B
			± 5%			0.0000000000000000000000000000000000000	C1005C0G2A121J050B
	1608	0.80 ± 0.10	± 10%			C1608C0G2E121K080AA	C1608C0G2A121K080A
120 pF			± 5%			C1608C0G2E121J080AA	C1608C0G2A121J080A
- 1-	2012	0.60 ± 0.15	± 10%		C2012C0G2W121K060AA		
			± 5%		C2012C0G2W121J060AA		
	3216	0.60 ± 0.15	± 10%	C3216C0G2J121K060AA			
	JZ 10	0.00 ± 0.13	± 5%	C3216C0G2J121J060AA			
	1005	0.50 . 0.05	± 10%				C1005C0G2A151K050B
	1005	0.50 ± 0.05	± 5%				C1005C0G2A151J050B
	1000	0.00 0.10	± 10%			C1608C0G2E151K080AA	C1608C0G2A151K080A
450 - 5	1608	0.80 ± 0.10	± 5%			C1608C0G2E151J080AA	C1608C0G2A151J080A
150 pF			± 10%		C2012C0G2W151K060AA		
	2012	0.60 ± 0.15	± 5%		C2012C0G2W151J060AA		
			± 10%	C3216C0G2J151K060AA			
	3216	0.60 ± 0.15	± 5%	C3216C0G2J151J060AA			
			± 10%	332.3334201010000/A			C1005C0G2A181K050B
	1005	0.50 ± 0.05	± 10% ± 5%				
						C1609C0C0E104I/000AA	C1005C0G2A181J050B
	1608	0.80 ± 0.10	± 10%			C1608C0G2E181K080AA	C1608C0G2A181K080A
180 pF			± 5%			C1608C0G2E181J080AA	C1608C0G2A181J080A
	2012	0.60 ± 0.15	± 10%		C2012C0G2W181K060AA		
			± 5%		C2012C0G2W181J060AA		
	3216	0.60 ± 0.15	± 10%	C3216C0G2J181K060AA			
	02 10	0.00 ± 0.10	± 5%	C3216C0G2J181J060AA			





Class 1 (Temperature Compensating)

0	0:	Thickness	Capacitance	Catalog Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
	1005	0.50 ± 0.05	± 10%				C1005C0G2A221K050BA
	1005	0.50 ± 0.05	± 5%				C1005C0G2A221J050BA
	1608	0.80 ± 0.10	± 10%			C1608C0G2E221K080AA	C1608C0G2A221K080AA
220 pE	1000	0.60 ± 0.10	± 5%			C1608C0G2E221J080AA	C1608C0G2A221J080AA
220 pF	2012	0.60 ± 0.15	± 10%		C2012C0G2W221K060AA		
	2012	0.60 ± 0.15	± 5%		C2012C0G2W221J060AA		
	2016	0.60 ± 0.15	± 10%	C3216C0G2J221K060AA			
	3216	0.60 ± 0.15	± 5%	C3216C0G2J221J060AA			
	1005	0.50 ± 0.05	± 10%				C1005C0G2A271K050BA
	1003	0.50 ± 0.05	± 5%				C1005C0G2A271J050BA
	1000	0.00 - 0.10	± 10%			C1608C0G2E271K080AA	C1608C0G2A271K080AA
070 5	1608	0.80 ± 0.10	± 5%			C1608C0G2E271J080AA	C1608C0G2A271J080AA
270 pF	0010	0.00 - 0.15	± 10%		C2012C0G2W271K060AA		
	2012	0.60 ± 0.15	± 5%		C2012C0G2W271J060AA		
		0.00 0.15	± 10%	C3216C0G2J271K060AA			
	3216	0.60 ± 0.15	± 5%	C3216C0G2J271J060AA			
			± 10%				C1005C0G2A331K050BA
	1005	0.50 ± 0.05	± 5%				C1005C0G2A331J050BA
			± 10%			C1608C0G2E331K080AA	C1608C0G2A331K080AA
330 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2E331J080AA	C1608C0G2A331J080AA
555 5.			± 10%		C2012C0G2W331K060AA		
	2012	0.60 ± 0.15	± 5%		C2012C0G2W331J060AA		
	3216	0.60 ± 0.15	± 10%	C3216C0G2J331K060AA	02012000200010000701		
	0210	0.00 ± 0.10	± 10%	002100002000111000741			C1005C0G2A391K050BA
	1005	0.50 ± 0.05	± 5%				C1005C0G2A391J050BA
			± 10%			C1608C0G2E391K080AA	C1608C0G2A391K080AA
	1608	0.80 ± 0.10	± 10%				C1608C0G2A391J080AA
390 pF			-		C2012C0C2/W201V0C0AA	C1608C0G2E391J080AA	C 1000CUGZA39 IJUOUAA
	2012	0.60 ± 0.15	± 10%		C2012C0G2W391K060AA		
			± 5%	0004000000000041000044	C2012C0G2W391J060AA		
	3216	0.60 ± 0.15	± 10%	C3216C0G2J391K060AA			
			± 5%	C3216C0G2J391J060AA			0.0000000000000000000000000000000000000
	1005	0.50 ± 0.05	± 10%				C1005C0G2A471K050BA
			± 5%				C1005C0G2A471J050BA
	1608	0.80 ± 0.10	± 10%			C1608C0G2E471K080AA	C1608C0G2A471K080AA
470 pF			± 5%			C1608C0G2E471J080AA	C1608C0G2A471J080AA
	2012	0.60 ± 0.15	± 10%		C2012C0G2W471K060AA		
			± 5%		C2012C0G2W471J060AA		
	3216	0.85 ± 0.15	± 10%	C3216C0G2J471K085AA			,
		0.00 ± 0.10	± 5%	C3216C0G2J471J085AA			
	1608	0.80 ± 0.10	± 10%			C1608C0G2E561K080AA	C1608C0G2A561K080AA
		0.00 ± 0.10	± 5%			C1608C0G2E561J080AA	C1608C0G2A561J080AA
560 pF	2012	0.60 ± 0.15	± 10%		C2012C0G2W561K060AA		
300 pi	2012	0.00 ± 0.13	± 5%		C2012C0G2W561J060AA		
	3216	0.85 ± 0.15	± 10%	C3216C0G2J561K085AA			
	3210	0.05 ± 0.15	± 5%	C3216C0G2J561J085AA			
	1600	0.90 - 0.10	± 10%			C1608C0G2E681K080AA	C1608C0G2A681K080AA
	1608	0.80 ± 0.10	± 5%			C1608C0G2E681J080AA	C1608C0G2A681J080AA
000 F	0010	0.00 0.15	± 10%		C2012C0G2W681K060AA		
680 pF	2012	0.60 ± 0.15	± 5%		C2012C0G2W681J060AA		
	0010	0.05 0.15	± 10%	C3216C0G2J681K085AA			,
	3216	0.85 ± 0.15	± 5%	C3216C0G2J681J085AA			
			± 10%			C1608C0G2E821K080AA	C1608C0G2A821K080AA
	1608	0.80 ± 0.10	± 5%			C1608C0G2E821J080AA	C1608C0G2A821J080AA
			± 10%		C2012C0G2W821K060AA	C2012C0G2E821K060AA	
820 pF	2012	0.60 ± 0.15	± 5%		C2012C0G2W821J060AA	C2012C0G2E821J060AA	
			± 10%	C3216C0G2J821K085AA	520120002110000AA	5201200G2E0210000AA	
	3216	0.85 ± 0.15					
			± 5%	C3216C0G2J821J085AA			





Class 1 (Temperature Compensating)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
			± 10%			C1608C0G2E102K080AA	C1608C0G2A102K080AA
	1608	0.80 ± 0.10	± 5%			C1608C0G2E102J080AA	C1608C0G2A102J080A
	.000	0.00 = 0.10	± 2%				C1608C0G2A102G080A
			± 1%				C1608C0G2A102F080A
1 nF		0.60 ± 0.15	± 10%		C2012C0G2W102K060AA		
	2012		± 5%		C2012C0G2W102J060AA		C2012C0G2A102J060A
	2012	0.85 ± 0.15	± 10%			C2012C0G2E102K085AA	
		0.05 ± 0.15	± 5%			C2012C0G2E102J085AA	
	3216	0.85 ± 0.15	± 10%	C3216C0G2J102K085AA			
	3210	0.05 ± 0.15	± 5%	C3216C0G2J102J085AA			
	1608	0.80 ± 0.10	± 10%			C1608C0G2E122K080AA	C1608C0G2A122K080A
	1000	0.60 ± 0.10	± 5%			C1608C0G2E122J080AA	C1608C0G2A122J080A
		0.60 + 0.15	± 10%		C2012C0G2W122K060AA		
4.0 5	0040	0.60 ± 0.15	± 5%		C2012C0G2W122J060AA		C2012C0G2A122J060A
1.2 nF	2012		± 10%			C2012C0G2E122K085AA	
		0.85 ± 0.15	± 5%			C2012C0G2E122J085AA	
			± 10%	C3216C0G2J122K085AA			
	3216	0.85 ± 0.15	± 5%	C3216C0G2J122J085AA			
			± 10%			C1608C0G2E152K080AA	C1608C0G2A152K080A
	1608	0.80 ± 0.10	± 5%			C1608C0G2E152J080AA	C1608C0G2A152J080A
		,	± 10%			0.0000000000000000000000000000000000000	C2012C0G2A152K060A
		0.60 ± 0.15	± 5%				C2012C0G2A152J060A
1.5 nF	2012		± 10%		C2012C0G2W152K085AA	C2012C0G2E152K085AA	020120002/11020000/1
		0.85 ± 0.15	± 10%		C2012C0G2W152J085AA	C2012C0G2E152J085AA	
				C2010C0C0 HE0K11EAA	C2012C0G2W152J085AA	C2012C0G2E132J063AA	
	3216	1.15 ± 0.15	± 10% ± 5%	C3216C0G2J152K115AA			
				C3216C0G2J152J115AA		04000000000140014001400044	040000000044001/0004
	1608	0.80 ± 0.10	± 10%			C1608C0G2E182K080AA	C1608C0G2A182K080A
			± 5%			C1608C0G2E182J080AA	C1608C0G2A182J080A
		0.85 ± 0.15	± 10%		C2012C0G2W182K085AA		C2012C0G2A182K085A
1.8 nF	2012		± 5%		C2012C0G2W182J085AA		C2012C0G2A182J085A
		1.25 ± 0.20	± 10%			C2012C0G2E182K125AA	
			± 5%			C2012C0G2E182J125AA	
	3216	1.15 ± 0.15	± 10%	C3216C0G2J182K115AA			
			± 5%	C3216C0G2J182J115AA			
		0.80 ± 0.10	± 10%				C1608C0G2A222K080A
	1608		± 5%				C1608C0G2A222J080A
	1000	0.80 +0.15/-0.1	± 10%			C1608C0G2E222K080AA	
		0.00 +0.15/-0.1	± 5%			C1608C0G2E222J080AA	
2.2 nF		0.05 + 0.15	± 10%		C2012C0G2W222K085AA		C2012C0G2A222K085A
2.2 11	0010	0.85 ± 0.15	± 5%		C2012C0G2W222J085AA		C2012C0G2A222J085A
	2012		± 10%			C2012C0G2E222K125AA	
		1.25 ± 0.20	± 5%			C2012C0G2E222J125AA	
		1.15 0.15	± 10%	C3216C0G2J222K115AA			
	3216	1.15 ± 0.15	± 5%	C3216C0G2J222J115AA			
			± 10%		-		C1608C0G2A272K080A
	1608	0.80 +0.15/-0.1	± 5%				C1608C0G2A272J080A
			± 10%		C2012C0G2W272K125AA	C2012C0G2E272K125AA	C2012C0G2A272K125A
2.7 nF	2012	1.25 ± 0.20	± 5%		C2012C0G2W272J125AA	C2012C0G2E272J125AA	C2012C0G2A272J125A
		,	± 10%	C3216C0G2J272K160AA	0201200020021	02012000222720120701	020120002/12/20120/1
	3216	1.60 ± 0.20	± 5%	C3216C0G2J272J160AA			
	-		± 10%	00210000202720100707			C1608C0G2A332K080A
	1608	0.80 +0.15/-0.1	± 10% ± 5%				C1608C0G2A332J080A
						C2012C0G2E222V00E	O TOUOCUGZASSZJU8UA
		0.85 ± 0.15	± 10%			C2012C0G2E332K085AA	
3.3 nF	2012		± 5%		000400000000000000000000000000000000000	C2012C0G2E332J085AA	000400000040001/:05
		1.25 ± 0.20	± 10%		C2012C0G2W332K125AA		C2012C0G2A332K125A
			± 5%		C2012C0G2W332J125AA		C2012C0G2A332J125A
	3216	0.85 ± 0.15	± 10%			C3216C0G2E332K085AA	
			± 5%			C3216C0G2E332J085AA	







Class 1 (Temperature Compensating)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
00 5	0010	, ,	± 10%	C3216C0G2J332K160AA	rated vehage Ede. 100 v	rated veltage Ede. 200 v	Trated voltage Edo. 100 v
3.3 nF	3216	1.60 ± 0.20	± 5%	C3216C0G2J332J160AA			
	2012	1.25 ± 0.20	± 10%		C2012C0G2W392K125AA	C2012C0G2E392K125AA	C2012C0G2A392K125AA
		1.23 ± 0.20	± 5%		C2012C0G2W392J125AA	C2012C0G2E392J125AA	C2012C0G2A392J125AA
		0.60 ± 0.15	± 10%				C3216C0G2A392K060AA
			± 5%				C3216C0G2A392J060AA
3.9 nF	3216	0.85 ± 0.15	± 10%	C3216C0G2J392K085AA			
			± 5%	C3216C0G2J392J085AA		C2010C0C0E200K11EAA	
		1.15 ± 0.15	± 10% ± 5%			C3216C0G2E392K115AA C3216C0G2E392J115AA	
			± 5% ± 10%	C3225C0G2J392K125AA		C32 10CUG2E392J 115AA	
	3225	1.25 ± 0.20	± 10%	C3225C0G2J392J125AA			
			± 10%	00220000200320120/11	C2012C0G2W472K125AA	C2012C0G2E472K125AA	C2012C0G2A472K125A
	2012	1.25 ± 0.20	± 5%		C2012C0G2W472J125AA	C2012C0G2E472J125AA	C2012C0G2A472J125A
			± 10%	C3216C0G2J472K085AA	32012333211120123711	0201200022112012011	C3216C0G2A472K085A
		0.85 ± 0.15	± 5%	C3216C0G2J472J085AA			C3216C0G2A472J085A
4.7 nF	3216		± 10%			C3216C0G2E472K115AA	
		1.15 ± 0.15	± 5%			C3216C0G2E472J115AA	
	2005	1.00 - 0.00	± 10%	C3225C0G2J472K160AA			
	3225	1.60 ± 0.20	± 5%	C3225C0G2J472J160AA			
	2012	1.25 ± 0.20	± 10%		C2012C0G2W562K125AA	C2012C0G2E562K125AA	C2012C0G2A562K125A
		1.20 1 0.20	± 5%		C2012C0G2W562J125AA	C2012C0G2E562J125AA	C2012C0G2A562J125A
		0.85 ± 0.15	± 10%				C3216C0G2A562K085A
5.6 nF	3216		± 5%				C3216C0G2A562J085A
		1.15 ± 0.15	± 10%	C3216C0G2J562K115AA		C3216C0G2E562K115AA	
3225			± 5%	C3216C0G2J562J115AA		C3216C0G2E562J115AA	
	3225	1.60 ± 0.20	± 10%	C3225C0G2J562K160AA			
			± 5%	C3225C0G2J562J160AA		C0010C0C0EC00K10EAA	C0010C0C0AC00K10EA
	2012	1.25 ± 0.20	± 10% ± 5%			C2012C0G2E682K125AA C2012C0G2E682J125AA	C2012C0G2A682K125A C2012C0G2A682J125A
			± 10%	C3216C0G2J682K115AA	C3216C0G2W682K115AA	020120002L0020120AA	C3216C0G2A682K115A
		1.15 ± 0.15	± 5%	C3216C0G2J682J115AA	C3216C0G2W682J115AA		C3216C0G2A682J115A
6.8 nF	3216		± 10%	002100004200020110/1/	002100002770020110707	C3216C0G2E682K160AA	0021000021002011070
		1.60 ± 0.20	± 5%			C3216C0G2E682J160AA	
	3225	0.00 0.00	± 10%	C3225C0G2J682K200AA			
	3225	2.00 ± 0.20	± 5%	C3225C0G2J682J200AA			
	2010	1.05 . 0.00	± 10%			C2012C0G2E822K125AA	C2012C0G2A822K125A
	2012	1.25 ± 0.20	± 5%			C2012C0G2E822J125AA	C2012C0G2A822J125A
		1.15 ± 0.15	± 10%		C3216C0G2W822K115AA		C3216C0G2A822K115A
	3216		± 5%		C3216C0G2W822J115AA		C3216C0G2A822J115A
8.2 nF	0210	1.60 ± 0.20	± 10%	C3216C0G2J822K160AA		C3216C0G2E822K160AA	
			± 5%	C3216C0G2J822J160AA		C3216C0G2E822J160AA	
	3225	1.25 ± 0.20	± 10%	C3225C0G2J822K125AA			
			± 5%	C3225C0G2J822J125AA			
	4532	1.60 ± 0.20	± 10%	C4532C0G2J822K160KA			
			± 5%	C4532C0G2J822J160KA		C0010C0C0E100K10EAA	C0040C0C0A400K40EA
	2012	1.25 ± 0.20	± 10% ± 5%			C2012C0G2E103K125AA C2012C0G2E103J125AA	C2012C0G2A103K125A C2012C0G2A103J125A
			± 10%			C3216C0G2E103K115AA	C3216C0G2A103K115A
		1.15 ± 0.15	± 5%			C3216C0G2E103J115AA	C3216C0G2A103J115A
	3216		± 10%	C3216C0G2J103K160AA	C3216C0G2W103K160AA	00210000221000110/11	002100002/11000110/1
		1.60 ± 0.20	± 5%	C3216C0G2J103J160AA	C3216C0G2W103J160AA		
10 nF			± 10%	C3225C0G2J103K125AA			
		1.25 ± 0.20	± 5%	C3225C0G2J103J125AA			
	3225		± 10%			C3225C0G2E103K160AA	
		1.60 ± 0.20	± 5%			C3225C0G2E103J160AA	
	4500	1.60 - 0.00	± 10%	C4532C0G2J103K160KA			
	4532	1.60 ± 0.20	± 5%	C4532C0G2J103J160KA			
		1 15 : 0 15	± 10%				C3216C0G2A153K115A
		1.15 ± 0.15	± 5%				C3216C0G2A153J115A
15 nE	3216	1.60 + 0.20	± 10%			C3216C0G2E153K160AA	
15 nF	3216	1.60 ± 0.20	± 5%			C3216C0G2E153J160AA	
		1.60 +0.3/-0.1	± 10%		C3216C0G2W153K160AA		
		1.00 10.0/ 0.1	± 5%		C3216C0G2W153J160AA		





Class 1 (Temperature Compensating)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100\						
		1.25 ± 0.20	± 10%				C3225C0G2A153K125A						
		1.25 ± 0.20	± 5%				C3225C0G2A153J125A						
	3225	1.60 ± 0.20	± 10%	C3225C0G2J153K160AA									
15 nF	3223	1.00 ± 0.20	± 5%	C3225C0G2J153J160AA									
10111		2.00 ± 0.20	± 10%			C3225C0G2E153K200AA							
		2.00 ± 0.20	± 5%			C3225C0G2E153J200AA							
	4532	2.50 ± 0.30	± 10%	C4532C0G2J153K250KA									
	4002	2.30 ± 0.30	± 5%	C4532C0G2J153J250KA									
		1.60 ± 0.20	± 10%				C3216C0G2A223K160A						
	3216 -	1.00 ± 0.20	± 5%				C3216C0G2A223J160A						
	0210	1.60 +0.3/-0.1	± 10%			C3216C0G2E223K160AA							
		1.00 10.0/ 0.1	± 5%			C3216C0G2E223J160AA							
		1.60 ± 0.20	± 10%			C3225C0G2E223K160AA	C3225C0G2A223K160A						
22 nF	3225 -	1.00 ± 0.20	± 5%			C3225C0G2E223J160AA	C3225C0G2A223J160A						
22 111	0220	2.30 ± 0.20	± 10%	C3225C0G2J223K230AA	C3225C0G2W223K230AA								
		2.30 ± 0.20	± 5%	C3225C0G2J223J230AA	C3225C0G2W223J230AA								
		1.60 ± 0.20	± 10%			C4532C0G2E223K160KA							
	4532	1.00 ± 0.20	± 5%			C4532C0G2E223J160KA							
	4552	3.20 ± 0.30	± 10%	C4532C0G2J223K320KA									
		3.20 ± 0.30	± 5%	C4532C0G2J223J320KA									
	2016	1.60 +0.3/-0.1	± 10%				C3216C0G2A333K160A						
	3216	1.00 +0.3/-0.1	± 5%				C3216C0G2A333J160A						
		2.00 . 0.20	± 10%				C3225C0G2A333K200A						
		2.00 ± 0.20	± 5%				C3225C0G2A333J200A						
22 mF	2005	0.00 - 0.00	± 10%			C3225C0G2E333K230AA							
33 nF	3225	2.30 ± 0.20	± 5%			C3225C0G2E333J230AA							
		0.50 0.00	± 10%	C3225C0G2J333K250AA	C3225C0G2W333K250AA								
		2.50 ± 0.30	± 5%	C3225C0G2J333J250AA	C3225C0G2W333J250AA								
	4500	0.00 0.00	± 10%			C4532C0G2E333K200KA							
	4532	2.00 ± 0.20	± 5%			C4532C0G2E333J200KA							
		0.00 0.00	± 10%				C3225C0G2A473K230A						
	2005	2.30 ± 0.20	± 5%				C3225C0G2A473J230A						
	3225 —	3225	3225	3225	3225	3225	0.50 0.00	± 10%			C3225C0G2E473K250AA		
		2.50 ± 0.30	± 5%			C3225C0G2E473J250AA							
									± 10%				C4532C0G2A473K200K
47 nF		2.00 ± 0.20	± 5%				C4532C0G2A473J200K						
	4500	0.00	± 10%		C4532C0G2W473K230KA								
	4532	2.30 ± 0.20	± 5%		C4532C0G2W473J230KA								
			± 10%	C4532C0G2J473K320KA		C4532C0G2E473K320KA							
		3.20 ± 0.30	± 5%	C4532C0G2J473J320KA	-	C4532C0G2E473J320KA							
			± 10%				C3225C0G2A683K230A						
	3225	2.30 ± 0.20	± 5%				C3225C0G2A683J230A						
			± 10%			C4532C0G2E683K230KN							
		2.30 ± 0.20	± 5%			C4532C0G2E683J230KN							
			± 10%				C4532C0G2A683K250K						
68 nF	4532	2.50 ± 0.30	± 5%				C4532C0G2A683J250K						
	-		± 10%		C4532C0G2W683K320KA								
		3.20 ± 0.30	± 5%		C4532C0G2W683J320KA								
			± 10%	C5750C0G2J683K230KC									
	5750	2.30 ± 0.20	± 5%	C5750C0G2J683J230KC									
			± 10%	23.333332000020010		C4532C0G2E104K320KN	C4532C0G2A104K320K						
	4532	3.20 ± 0.30	± 5%			C4532C0G2E104J320KN	C4532C0G2A104J320K						
100 nF			± 10%	C5750C0G2J104K280KC	C5750C0G2W104J280KA	070020002L 1040020NN	040020002A1040320N						
	5750	2.80 ± 0.30	± 10%	C5750C0G2J104K280KC	C5750C0G2W104J280KA								
				03/3000GZJ104JZ00NC	001000002W104N200NA	C5750C0C0E154K000KN	C5750C0C0A454K000K						
150 nF	5750	2.30 ± 0.20	± 10%			C5750C0G2E154K230KN	C5750C0G2A154K230K						
			± 5%			C5750C0G2E154J230KN	C5750C0G2A154J230K						





Class 1 (Temperature Compensating)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
		(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
1 pF	1608	0.80 ± 0.10	± 0.25pF				C1608CH2A010C080AA
1.5 pF	1608	0.80 ± 0.10	± 0.25pF				C1608CH2A1R5C080AA
2 pF	1608	0.80 ± 0.10	± 0.25pF				C1608CH2A020C080AA
2.2 pF	1608	0.80 ± 0.10	± 0.25pF				C1608CH2A2R2C080AA
3 pF	1608	0.80 ± 0.10	± 0.25pF				C1608CH2A030C080AA
3.3 pF	1608	0.80 ± 0.10	± 0.25pF				C1608CH2A3R3C080AA
4 pF	1608	0.80 ± 0.10	± 0.25pF				C1608CH2A040C080AA
4.7 pF	1608	0.80 ± 0.10	± 0.25pF				C1608CH2A4R7C080AA
5 pF	1608	0.80 ± 0.10	± 0.25pF				C1608CH2A050C080AA
6 pF	1608	0.80 ± 0.10	± 0.50pF				C1608CH2A060D080AA
6.8 pF	1608	0.80 ± 0.10	± 0.50pF				C1608CH2A6R8D080AA
7 pF	1608	0.80 ± 0.10	± 0.50pF				C1608CH2A070D080AA
8 pF	1608	0.80 ± 0.10	± 0.50pF				C1608CH2A080D080AA
9 pF	1608	0.80 ± 0.10	± 0.50pF				C1608CH2A090D080AA
10 pF	1608	0.80 ± 0.10	± 0.50pF				C1608CH2A100D080AA
12 pF	1608	0.80 ± 0.10	± 5%				C1608CH2A120J080AA
15 pF	1608	0.80 ± 0.10	± 5%				C1608CH2A150J080AA
18 pF	1608	0.80 ± 0.10 0.80 ± 0.10	± 5%				C1608CH2A180J080AA C1608CH2A220J080AA
22 pF	1608		± 5%				C1608CH2A220J080AA
27 pF	1608	0.80 ± 0.10	± 5%				
33 pF	1608	0.80 ± 0.10	± 5%				C1608CH2A330J080AA
39 pF	1608	0.80 ± 0.10	± 5% ± 5%				C1608CH2A390J080AA
47 pF	1608	0.80 ± 0.10					C1608CH2A470J080AA
56 pF	1608	0.80 ± 0.10	± 5%				C1608CH2A560J080AA
68 pF	1608	0.80 ± 0.10	± 5%				C1608CH2A680J080AA
82 pF	1608	0.80 ± 0.10	± 5%				C1608CH2A820J080AA
	1005	0.50 ± 0.05	± 10%				C1005CH2A101K050BA
			± 5%			04000011054041400044	C1005CH2A101J050BA
	1608	0.80 ± 0.10	± 10%			C1608CH2E101K080AA	C1608CH2A101K080AA
100 pF			± 5%		000400110144041400044	C1608CH2E101J080AA	C1608CH2A101J080AA
	2012	0.60 ± 0.15	± 10%		C2012CH2W101K060AA		
			± 5%	00040011014041400044	C2012CH2W101J060AA		
	3216	0.60 ± 0.15	± 10%	C3216CH2J101K060AA			
			± 5%	C3216CH2J101J060AA			C100ECLIQA101K0E0DA
	1005	0.50 ± 0.05	± 10%				C1005CH2A121K050BA
			± 5% ± 10%			C1608CH2E121K080AA	C1609CH2A121K090AA
120 pF	1608	0.80 ± 0.10	± 10%			C1608CH2E121J080AA	C1608CH2A121K080AA
			± 10%		C2012CH2W121K060AA	C 1008CHZE 12 13000AA	C1608CH2A121J080AA
	2012	0.60 ± 0.15	± 10 %		C2012CH2W121J060AA		
				C2216CH2 I121K060AA	C2012CH2W1213000AA		
120 pF	3216	0.60 ± 0.15	± 10% ± 5%	C3216CH2J121K060AA C3216CH2J121J060AA			
			± 10%	C32 10C1123 12 13000AA			C1005CH2A151K050BA
	1005	0.50 ± 0.05	± 10 %				C1005CH2A151J050BA
			± 10%			C1608CH2E151K080AA	C1608CH2A151K080AA
	1608	0.80 ± 0.10	± 10 %			C1608CH2E151J080AA	C1608CH2A151J080AA
150 pF			± 10%		C2012CH2W151K060AA	C 1008CHZE 13 13000AA	C 1000CH2A 13 13000AA
	2012	0.60 ± 0.15	± 10 % ± 5%		C2012CH2W151J060AA		
			± 10%	C3216CH2J151K060AA	020120112W1313000AA		
	3216	0.60 ± 0.15	± 5%	C3216CH2J151J060AA			
			± 10%	C32 10C1123 13 13000AA			C1005CH2A181K050BA
	1005	0.50 ± 0.05	± 5%				C1005CH2A181J050BA
			± 10%			C1608CH2E181K080AA	C1608CH2A181K080AA
	1608	0.80 ± 0.10	± 10% ± 5%			C1608CH2E181J080AA	C1608CH2A181J080AA
180 pF			± 5% ± 10%		C2012CH2W181K060AA	O 10000112E 10 10000AA	0 10000112A 10 10000AA
	2012	0.60 ± 0.15	± 10% ± 5%		C2012CH2W181J060AA		
			± 5% ± 10%	C3216CH2J181K060AA	OZU IZUI IZW TO IJUOUAA	<u>, </u>	
	3216	0.60 ± 0.15	± 10% ± 5%	C3216CH2J181J060AA			
	-		± 5% ± 10%	002 100 HZJ 10 1JU0UAA			C1005CH3A331K0E0DA
	1005	0.50 ± 0.05	± 10% ± 5%				C1005CH2A221K050BA C1005CH2A221J050BA
220 pF						C1608CH2E221K080AA	C1608CH2A221K080AA
	1608	0.80 ± 0.10	± 10%			C1608CH2E221K080AA C1608CH2E221J080AA	
			± 5%			O TOUOUTZEZZ IJUSUAA	C1608CH2A221J080AA





Class 1 (Temperature Compensating)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
		(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100
	2012	0.60 ± 0.15	± 10%		C2012CH2W221K060AA		
220 pF		0.00 = 0.10	± 5%		C2012CH2W221J060AA		
	3216	0.60 ± 0.15	± 10%	C3216CH2J221K060AA			
		0.00 = 0.10	± 5%	C3216CH2J221J060AA			
	1005	0.50 ± 0.05	± 10%				C1005CH2A271K050B
		0.00 ± 0.00	± 5%				C1005CH2A271J050B/
	1608	0.80 ± 0.10	± 10%			C1608CH2E271K080AA	C1608CH2A271K080A
270 pF		0.00 ± 0.10	± 5%			C1608CH2E271J080AA	C1608CH2A271J080A
270 pi	2012	0.60 ± 0.15	± 10%		C2012CH2W271K060AA		
	2012	0.00 ± 0.13	± 5%		C2012CH2W271J060AA		
	3216	0.60 ± 0.15	± 10%	C3216CH2J271K060AA			
	52 10	0.00 ± 0.13	± 5%	C3216CH2J271J060AA			
	1005	0.50 ± 0.05	± 10%				C1005CH2A331K050B
	1003	0.30 ± 0.03	± 5%				C1005CH2A331J050B
	1600	0.90 - 0.10	± 10%			C1608CH2E331K080AA	C1608CH2A331K080A
000 - F	1608	0.80 ± 0.10	± 5%			C1608CH2E331J080AA	C1608CH2A331J080A
330 pF	0040	0.00 0.45	± 10%		C2012CH2W331K060AA		
	2012	0.60 ± 0.15	± 5%		C2012CH2W331J060AA		
		0.00 0.15	± 10%	C3216CH2J331K060AA			
	3216	0.60 ± 0.15	± 5%	C3216CH2J331J060AA			
	100=	0.50 0.05	± 10%				C1005CH2A391K050B
	1005	0.50 ± 0.05	± 5%				C1005CH2A391J050B
			± 10%			C1608CH2E391K080AA	C1608CH2A391K080A
	1608	0.80 ± 0.10	± 5%			C1608CH2E391J080AA	C1608CH2A391J080A
390 pF			± 10%		C2012CH2W391K060AA		
	2012	0.60 ± 0.15	± 5%		C2012CH2W391J060AA		
			± 10%	C3216CH2J391K060AA	020120112110010000717		
3216	3216	0.60 ± 0.15	± 5%	C3216CH2J391J060AA			
			± 10%	C32 10C112339 10000AA			C1005CH2A471K050B
	1005	0.50 ± 0.05	± 10% ± 5%				
						C100001 IOE 4711/000 A A	C1005CH2A471J050B
	1608	0.80 ± 0.10	± 10%			C1608CH2E471K080AA	C1608CH2A471K080A
470 pF			± 5%		000400110144741400044	C1608CH2E471J080AA	C1608CH2A471J080A
	2012	2012 0.60 ± 0.15	± 10%		C2012CH2W471K060AA		
			± 5%	00040011014741400544	C2012CH2W471J060AA		
	3216	0.85 ± 0.15	± 10%	C3216CH2J471K085AA			
			± 5%	C3216CH2J471J085AA		0.0000105501100011	0.000001015011/0001
	1608	0.80 ± 0.10	± 10%			C1608CH2E561K080AA	C1608CH2A561K080A
			± 5%			C1608CH2E561J080AA	C1608CH2A561J080A
560 pF	2012	0.60 ± 0.15	± 10%		C2012CH2W561K060AA		
			± 5%		C2012CH2W561J060AA		
	3216	0.85 ± 0.15	± 10%	C3216CH2J561K085AA			
		0.00 = 0.10	± 5%	C3216CH2J561J085AA			
	1608	0.80 ± 0.10	± 10%			C1608CH2E681K080AA	C1608CH2A681K080A
		0.00 ± 0.10	± 5%			C1608CH2E681J080AA	C1608CH2A681J080A
7q 086	2012	0.60 ± 0.15	± 10%		C2012CH2W681K060AA		
300 Pi		0.00 ± 0.10	± 5%		C2012CH2W681J060AA		
	3216	0.85 ± 0.15	± 10%	C3216CH2J681K085AA			
	3210	0.05 ± 0.15	± 5%	C3216CH2J681J085AA			
	1600	0.90 - 0.10	± 10%			C1608CH2E821K080AA	C1608CH2A821K080A
	1608	0.80 ± 0.10	± 5%			C1608CH2E821J080AA	C1608CH2A821J080A
000 - 5	0040	0.00 0.45	± 10%		C2012CH2W821K060AA	C2012CH2E821K060AA	
820 pF	2012	0.60 ± 0.15	± 5%		C2012CH2W821J060AA	C2012CH2E821J060AA	
		0.05	± 10%	C3216CH2J821K085AA			
	3216	0.85 ± 0.15	± 5%	C3216CH2J821J085AA			
			± 10%			C1608CH2E102K080AA	C1608CH2A102K080A
	1608	0.80 ± 0.10	± 5%			C1608CH2E102J080AA	C1608CH2A102J080A
			± 10%		C2012CH2W102K060AA	2.0000.1221020000/V1	3.0000E/(10E0000/(
		0.60 ± 0.15	± 5%		C2012CH2W102J060AA		C2012CH2A102J060A
1 nF	2012 -		± 5% ± 10%		02012011200100MA	C2012CH2E102K085AA	020120112A1020000A
		0.85 ± 0.15					
			± 5%	C2016CH2 H00K00E * *		C2012CH2E102J085AA	
	3216	0.85 ± 0.15	± 10%	C3216CH2J102K085AA			
			± 5%	C3216CH2J102J085AA			





Class 1 (Temperature Compensating)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100\
		. , ,	± 10%	. tatou voltago Euo. ocov	rated vehage Edel 1001	C1608CH2E122K080AA	C1608CH2A122K080AA
	1608	0.80 ± 0.10	± 5%			C1608CH2E122J080AA	C1608CH2A122J080AA
			± 10%		C2012CH2W122K060AA		
		0.60 ± 0.15	± 5%		C2012CH2W122J060AA		C2012CH2A122J060AA
1.2 nF	2012		± 10%			C2012CH2E122K085AA	
		0.85 ± 0.15	± 5%			C2012CH2E122J085AA	
	0010	0.05 0.45	± 10%	C3216CH2J122K085AA			
	3216	0.85 ± 0.15	± 5%	C3216CH2J122J085AA			
	1000	0.00 0.10	± 10%			C1608CH2E152K080AA	C1608CH2A152K080AA
	1608	0.80 ± 0.10	± 5%			C1608CH2E152J080AA	C1608CH2A152J080AA
		0.60 ± 0.15	± 10%				C2012CH2A152K060A
1.5 nF	2012		± 5%				C2012CH2A152J060AA
1.5111	2012	0.85 ± 0.15	± 10%		C2012CH2W152K085AA	C2012CH2E152K085AA	
		0.05 ± 0.15	± 5%		C2012CH2W152J085AA	C2012CH2E152J085AA	
	3216	1.15 ± 0.15	± 10%	C3216CH2J152K115AA			
	3210	1.15 ± 0.15	± 5%	C3216CH2J152J115AA			
	1608	0.80 ± 0.10	± 10%			C1608CH2E182K080AA	C1608CH2A182K080A
	1000	0.00 ± 0.10	± 5%			C1608CH2E182J080AA	C1608CH2A182J080AA
		0.85 ± 0.15	± 10%		C2012CH2W182K085AA		C2012CH2A182K085A
1.8 nF	2012		± 5%		C2012CH2W182J085AA		C2012CH2A182J085A
1.0 111	2012	1.25 ± 0.20	± 10%			C2012CH2E182K125AA	
		1.20 ± 0.20	± 5%			C2012CH2E182J125AA	
	3216	1.15 ± 0.15	± 10%	C3216CH2J182K115AA			
	0210	1.10 ± 0.10	± 5%	C3216CH2J182J115AA			
		0.80 ± 0.10	± 10%				C1608CH2A222K080A
	1608		± 5%				C1608CH2A222J080A
1000	1000	0.80 +0.15/-0.1	± 10%			C1608CH2E222K080AA	
		0.00 + 0.10/ 0.1	± 5%			C1608CH2E222J080AA	
2.2 nF		0.85 ± 0.15	± 10%		C2012CH2W222K085AA		C2012CH2A222K085A
2.2 111	2012		± 5%		C2012CH2W222J085AA		C2012CH2A222J085AA
	2012	1.25 ± 0.20	± 10%			C2012CH2E222K125AA	
		1.20 ± 0.20	± 5%			C2012CH2E222J125AA	
	3216	1.15 ± 0.15	± 10%	C3216CH2J222K115AA			
			± 5%	C3216CH2J222J115AA			
	1608	0.80 +0.15/-0.1	± 10%				C1608CH2A272K080A
			± 5%				C1608CH2A272J080A
2.7 nF	2012	1.25 ± 0.20	± 10%		C2012CH2W272K125AA	C2012CH2E272K125AA	C2012CH2A272K125A
			± 5%		C2012CH2W272J125AA	C2012CH2E272J125AA	C2012CH2A272J125A
	3216	1.60 ± 0.20	± 10%	C3216CH2J272K160AA			
			± 5%	C3216CH2J272J160AA			
	1608	0.80 +0.15/-0.1	± 10%				C1608CH2A332K080A
			± 5%				C1608CH2A332J080A
		0.85 ± 0.15	± 10%			C2012CH2E332K085AA	
	2012		± 5%			C2012CH2E332J085AA	
3.3 nF		1.25 ± 0.20	± 10%		C2012CH2W332K125AA		C2012CH2A332K125A
			± 5%		C2012CH2W332J125AA	000400110E00011005	C2012CH2A332J125A
		0.85 ± 0.15	± 10%			C3216CH2E332K085AA	
	3216		± 5%			C3216CH2E332J085AA	
		1.60 ± 0.20	± 10%	C3216CH2J332K160AA			
			± 5%	C3216CH2J332J160AA			
	2012	1.25 ± 0.20	± 10%		C2012CH2W392K125AA	C2012CH2E392K125AA	C2012CH2A392K125A
			± 5%		C2012CH2W392J125AA	C2012CH2E392J125AA	C2012CH2A392J125A
		0.60 ± 0.15	± 10%				C3216CH2A392K060A
			± 5%	00040011012221222			C3216CH2A392J060A
3.9 nF	3216	0.85 ± 0.15	± 10%	C3216CH2J392K085AA			
	-		± 5%	C3216CH2J392J085AA			
		1.15 ± 0.15	± 10%			C3216CH2E392K115AA	
			± 5%	00005011010001111		C3216CH2E392J115AA	
	3225	1.25 ± 0.20	± 10%	C3225CH2J392K125AA			
	-		± 5%	C3225CH2J392J125AA			
4.7 nF	2012	1.25 ± 0.20	± 10%		C2012CH2W472K125AA	C2012CH2E472K125AA	C2012CH2A472K125A
			± 5%		C2012CH2W472J125AA	C2012CH2E472J125AA	C2012CH2A472J125AA





Class 1 (Temperature Compensating)

Capacitance	Size	Thickness	Capacitance	Catalog Number						
Сараспансе	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100\			
		0.85 ± 0.15	± 10%	C3216CH2J472K085AA			C3216CH2A472K085AA			
	3216		± 5%	C3216CH2J472J085AA			C3216CH2A472J085AA			
4.7 nF	0210	1.15 ± 0.15	± 10%			C3216CH2E472K115AA				
1.7 111		1.10 ± 0.10	± 5%			C3216CH2E472J115AA				
	3225	1.60 ± 0.20	± 10%	C3225CH2J472K160AA						
			± 5%	C3225CH2J472J160AA						
	2012	1.25 ± 0.20	± 10%		C2012CH2W562K125AA	C2012CH2E562K125AA	C2012CH2A562K125AA			
			± 5%		C2012CH2W562J125AA	C2012CH2E562J125AA	C2012CH2A562J125AA			
		0.85 ± 0.15	± 10%				C3216CH2A562K085A			
5.6 nF	3216		± 5%	0001001101500111501			C3216CH2A562J085A			
		1.15 ± 0.15	± 10%	C3216CH2J562K115AA		C3216CH2E562K115AA				
			± 5%	C3216CH2J562J115AA		C3216CH2E562J115AA				
3225	3225	1.60 ± 0.20	± 10%	C3225CH2J562K160AA						
			± 5%	C3225CH2J562J160AA		00040011050001/40544	00010011040001/1054			
	2012	1.25 ± 0.20	± 10%			C2012CH2E682K125AA	C2012CH2A682K125A			
			± 5%	00010011010001/11544	000400110141000144544	C2012CH2E682J125AA	C2012CH2A682J125A/			
		1.15 ± 0.15	± 10%	C3216CH2J682K115AA	C3216CH2W682K115AA		C3216CH2A682K115A			
6.8 nF	3216		± 5%	C3216CH2J682J115AA	C3216CH2W682J115AA	00040011050001/40044	C3216CH2A682J115A			
		1.60 ± 0.20	± 10%			C3216CH2E682K160AA				
			± 5%	C3225CH2J682K200AA		C3216CH2E682J160AA				
	3225	2.00 ± 0.20	± 10%							
			± 5% ± 10%	C3225CH2J682J200AA		C2012CH2E822K125AA	C2012CH2A822K125A			
	2012	1.25 ± 0.20	± 10%			C2012CH2E822J125AA	C2012CH2A822X125A			
			± 10%		C3216CH2W822K115AA	C2012CH2E822J123AA	C3216CH2A822K115A			
		1.15 ± 0.15	± 5%		C3216CH2W822J115AA		C3216CH2A822J115A			
	3216 -		± 10%	C3216CH2J822K160AA	032 100112W0223 1 13AA	C3216CH2E822K160AA	002100112A0220110A			
8.2 nF		1.60 ± 0.20	± 5%	C3216CH2J822J160AA		C3216CH2E822J160AA				
3			± 10%	C3225CH2J822K125AA		00210011220220100777				
	3225	1.25 ± 0.20	± 5%	C3225CH2J822J125AA						
			± 10%	C4532CH2J822K160KA						
	4532	1.60 ± 0.20	± 5%	C4532CH2J822J160KA						
			± 10%	0 1002011200220100101		C2012CH2E103K125AA	C2012CH2A103K125A			
	2012	1.25 ± 0.20	± 5%			C2012CH2E103J125AA	C2012CH2A103J125A			
			± 10%			C3216CH2E103K115AA	C3216CH2A103K115A			
		1.15 ± 0.15	± 5%			C3216CH2E103J115AA	C3216CH2A103J115A			
	3216 -	3216	3216	3216		± 10%	C3216CH2J103K160AA	C3216CH2W103K160AA		
		1.60 ± 0.20	± 5%	C3216CH2J103J160AA	C3216CH2W103J160AA					
10 nF				± 10%	C3225CH2J103K125AA					
		1.25 ± 0.20	± 5%	C3225CH2J103J125AA						
	3225		± 10%			C3225CH2E103K160AA				
		1.60 ± 0.20	± 5%			C3225CH2E103J160AA				
			± 10%	C4532CH2J103K160KA						
	4532	1.60 ± 0.20	± 5%	C4532CH2J103J160KA						
		1.15 0.15	± 10%				C3216CH2A153K115A			
		1.15 ± 0.15	± 5%				C3216CH2A153J115A			
		1.00 0.00	± 10%			C3216CH2E153K160AA				
	3216	1.60 ± 0.20	± 5%			C3216CH2E153J160AA				
		100 00/01	± 10%		C3216CH2W153K160AA					
		1.60 +0.3/-0.1	± 5%		C3216CH2W153J160AA					
455		1.05 0.00	± 10%				C3225CH2A153K125A			
15 nF		1.25 ± 0.20	± 5%				C3225CH2A153J125A			
	0005	1.00 0.00	± 10%	C3225CH2J153K160AA						
	3225	1.60 ± 0.20	± 5%	C3225CH2J153J160AA						
		0.00 0.00	± 10%			C3225CH2E153K200AA				
		2.00 ± 0.20	± 5%			C3225CH2E153J200AA				
	4500	0.50 0.00	± 10%	C4532CH2J153K250KA						
	4532	2.50 ± 0.30	± 5%	C4532CH2J153J250KA						
		100 000	± 10%				C3216CH2A223K160A			
		1.60 ± 0.20	± 5%				C3216CH2A223J160A			
00 -										
22 nF	3216	1.60 +0.3/-0.1	± 10%			C3216CH2E223K160AA				





Class 1 (Temperature Compensating)

Temperature Characteristics: CH (-25 to +85°C, 0±60 ppm/°C)

Capacitance	Size	Thickness	Capacitance	Catalog Number												
Сараспапсе	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V									
		1.60 ± 0.20	± 10%			C3225CH2E223K160AA	C3225CH2A223K160AA									
	3225	1.60 ± 0.20	± 5%			C3225CH2E223J160AA	C3225CH2A223J160AA									
	3223	2.30 ± 0.20	± 10%	C3225CH2J223K230AA	C3225CH2W223K230AA											
22 nF -		2.30 ± 0.20	± 5%	C3225CH2J223J230AA	C3225CH2W223J230AA											
22115		1.60 ± 0.20	± 10%			C4532CH2E223K160KA										
	4532		± 5%			C4532CH2E223J160KA										
	4552	3.20 ± 0.30	± 10%	C4532CH2J223K320KA												
		3.20 ± 0.30	± 5%	C4532CH2J223J320KA												
	3216	1.60 +0.3/-0.1	± 10%				C3216CH2A333K160AA									
	3210	1.00 +0.3/-0.1	± 5%				C3216CH2A333J160AA									
		2.00 ± 0.20	± 10%				C3225CH2A333K200AA									
		2.00 ± 0.20	± 5%				C3225CH2A333J200AA									
33 nF	3225	2.30 ± 0.20	± 10%			C3225CH2E333K230AA										
33 111	3223	2.30 ± 0.20	± 5%			C3225CH2E333J230AA										
	-	2.50 ± 0.30	± 10%	C3225CH2J333K250AA	C3225CH2W333K250AA											
		2.50 ± 0.50	± 5%	C3225CH2J333J250AA	C3225CH2W333J250AA											
-	4532	2.00 ± 0.20	± 10%			C4532CH2E333K200KA										
	4552	2.00 ± 0.20	± 5%			C4532CH2E333J200KA										
		2.30 ± 0.20	± 10%				C3225CH2A473K230AA									
	3225		± 5%				C3225CH2A473J230AA									
	3225	2.50 ± 0.30	± 10%			C3225CH2E473K250AA										
		2.50 ± 0.30	± 5%			C3225CH2E473J250AA										
47 nF				2.00 . 0.20	± 10%				C4532CH2A473K200KA							
47 NF										_	2.00 ± 0.20	± 5%				C4532CH2A473J200KA
	4532		± 10%		C4532CH2W473K230KA											
	4532		± 5%		C4532CH2W473J230KA											
			± 10%	C4532CH2J473K320KA		C4532CH2E473K320KA										
		3.20 ± 0.30	± 5%	C4532CH2J473J320KA		C4532CH2E473J320KA										
	3225	2.20 . 0.20	± 10%				C3225CH2A683K230AA									
	3223	2.30 ± 0.20	± 5%				C3225CH2A683J230AA									
		2.30 ± 0.20	± 10%			C4532CH2E683K230KN										
		2.30 ± 0.20	± 5%			C4532CH2E683J230KN										
68 nF	4532	2.50 ± 0.30	± 10%				C4532CH2A683K250KA									
00 11	4552	2.50 ± 0.50	± 5%				C4532CH2A683J250KA									
		2 20 . 0 20	± 10%		C4532CH2W683K320KA											
		3.20 ± 0.30	± 5%		C4532CH2W683J320KA											
	E7E0	2.20 . 0.20	± 10%	C5750CH2J683K230KC												
	5750	2.30 ± 0.20	± 5%	C5750CH2J683J230KC												
	4522	2 20 + 0 20	± 10%			C4532CH2E104K320KN	C4532CH2A104K320KA									
100	4532	3.20 ± 0.30	± 5%			C4532CH2E104J320KN	C4532CH2A104J320KA									
100 nF -	F7F0	0.00 .0.00	± 10%	C5750CH2J104K280KC	C5750CH2W104J280KA											
	5750	2.80 ± 0.30	± 5%	C5750CH2J104J280KC	C5750CH2W104K280KA											
			± 0 /0	00100011201010200110												
150 nF	5750	2.30 ± 0.20	± 10%	00700071207010200710		C5750CH2E154K230KN	C5750CH2A154K230KA									

Class 2 (Temperature Stable)

Temperature Characteristics: JB (-25 to +85°C, ±10%)

Canacitanas	Size	Thickness	Capacitance	Catalog Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
	1608	0.80 + 0.10	± 10%			C1608JB2A102K080AA
	1000	0.60 ± 0.10	± 20%			C1608JB2A102M080AA
1 nF	2012	0.85 + 0.15	± 10%		C2012JB2E102K085AA	C2012JB2A102K085AA
ITIE	2012	0.65 ± 0.15	± 20%		C2012JB2E102M085AA	C2012JB2A102M085AA
	3216	1.15 + 0.10	± 10%	C3216JB2J102K115AA		
		1.15 ± 0.10	± 20%	C3216JB2J102M115AA		
	1608	0.80 ± 0.10	± 10%			C1608JB2A152K080AA
1.5 nF	1000	0.60 ± 0.10	± 20%			C1608JB2A152M080AA
1.511	2012	0.85 + 0.15	± 10%		C2012JB2E152K085AA	C2012JB2A152K085AA
		0.65 ± 0.15	± 20%		C2012JB2E152M085AA	C2012JB2A152M085AA





Temperature Characteristics: JB (-25 to +85°C, ±10%)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100
15.5	2010	1.15 0.10	± 10%	C3216JB2J152K115AA	<u> </u>	<u> </u>
1.5 nF	3216	1.15 ± 0.10	± 20%	C3216JB2J152M115AA		
	1608	0.80 ± 0.10	± 10%			C1608JB2A222K080AA
	1000	0.00 ± 0.10	± 20%			C1608JB2A222M080AA
2.2 nF	2012	0.85 ± 0.15	± 10%		C2012JB2E222K085AA	C2012JB2A222K085AA
2.2 (11		0.00 ± 0.10	± 20%		C2012JB2E222M085AA	C2012JB2A222M085AA
	3216	1.15 ± 0.10	± 10%	C3216JB2J222K115AA		
			± 20%	C3216JB2J222M115AA		
	1608	0.80 ± 0.10	± 10%			C1608JB2A332K080AA
			± 20%			C1608JB2A332M080AA
3.3 nF	2012	0.85 ± 0.15	± 10%		C2012JB2E332K085AA	C2012JB2A332K085AA
			± 20%	0001010010001111511	C2012JB2E332M085AA	C2012JB2A332M085A/
	3216	1.15 ± 0.10	± 10%	C3216JB2J332K115AA		
			± 20%	C3216JB2J332M115AA		0.0000 Do. 1. Do. 1.
	1608	0.80 ± 0.10	± 10%			C1608JB2A472K080AA
			± 20%		00010 ID05 1701/005 1 1	C1608JB2A472M080A
4.7 nF	2012	0.85 ± 0.15	± 10%		C2012JB2E472K085AA	C2012JB2A472K085A
			± 20%	C2010 ID0 1470K11EAA	C2012JB2E472M085AA	C2012JB2A472M085A
	3216	1.15 ± 0.10	± 10%	C3216JB2J472K115AA		
			± 20%	C3216JB2J472M115AA		C1000 ID04 0001/0004
	1608	0.80 ± 0.10	± 10%			C1608JB2A682K080A
			± 20%			C1608JB2A682M080A C2012JB2A682K085A
		0.85 ± 0.15	± 10% ± 20%			C2012JB2A682K085A
6.8 nF	2012 -		± 20% ± 10%		C2012JB2E682K125AA	
		1.25 ± 0.20	± 10%		C2012JB2E682M125AA	
_			± 20% ± 10%	C3216JB2J682K115AA	C2012JB2E002IVI12SAA	
	3216	1.15 ± 0.10	± 10%	C3216JB2J682M115AA		
			± 20%	C32 103B23002W1113AA		C1608JB2A103K080A
	1608	0.80 ± 0.10	± 10%			C1608JB2A103M080A
			± 10%			C2012JB2A103K085A
		0.85 ± 0.15	± 20%			C2012JB2A103M085A
10 nF	2012 -		± 10%		C2012JB2E103K125AA	
		1.25 ± 0.20	± 20%		C2012JB2E103M125AA	
			± 10%	C3216JB2J103K115AA	02012032210011120731	
	3216	1.15 ± 0.10	± 20%	C3216JB2J103M115AA		
			± 10%			C1608JB2A153K080A
	1608	0.80 ± 0.10	± 20%			C1608JB2A153M080A
			± 10%		C2012JB2E153K125AA	C2012JB2A153K125A
	2012	1.25 ± 0.20	± 20%		C2012JB2E153M125AA	C2012JB2A153M125A
15 nF			± 10%		C3216JB2E153K115AA	
		1.15 ± 0.10	± 20%		C3216JB2E153M115AA	
	3216 -	100 000	± 10%	C3216JB2J153K130AA		
		1.30 ± 0.10	± 20%	C3216JB2J153M130AA		
	1000	0.00 0.10	± 10%			C1608JB2A223K080A
	1608	0.80 ± 0.10	± 20%			C1608JB2A223M080A
	2012	1.05 - 0.00	± 10%		C2012JB2E223K125AA	C2012JB2A223K125A
00 ~F	2012	1.25 ± 0.20	± 20%		C2012JB2E223M125AA	C2012JB2A223M125A
22 nF		1.15 - 0.10	± 10%		C3216JB2E223K115AA	
	2010	1.15 ± 0.10	± 20%		C3216JB2E223M115AA	
	3216 -	1.20 - 0.10	± 10%	C3216JB2J223K130AA		
		1.30 ± 0.10	± 20%	C3216JB2J223M130AA		
	2012	1.25 . 0.20	± 10%			C2012JB2A333K125A
	2012	1.25 ± 0.20	± 20%			C2012JB2A333M125A
22 nE		1.15 . 0.10	± 10%			C3216JB2A333K115A
33 nF	2010	1.15 ± 0.10	± 20%			C3216JB2A333M115A
	3216 -		± 10%	C3216JB2J333K160AA	C3216JB2E333K160AA	
		1.60 ± 0.20	± 20%	C3216JB2J333M160AA	C3216JB2E333M160AA	
47 pF	2012	1.05 - 0.00	± 10%			C2012JB2A473K125AA
47 nF	2012	1.25 ± 0.20	± 20%			C2012JB2A473M125A





Temperature Characteristics: JB (-25 to +85°C, ±10%)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V	
		()	± 10%	Rated Voltage Edc. 650V	Rated Voltage Edd. 250V	C3216JB2A473K115AA	
		1.15 ± 0.10	± 20%		,	C3216JB2A473M115AA	
	3216 -		± 10%		C3216JB2E473K160AA		
47 nF		1.60 ± 0.20	± 20%		C3216JB2E473M160AA		
	0005	0.00 0.00	± 10%	C3225JB2J473K200AA			
	3225	2.00 ± 0.20	± 20%	C3225JB2J473M200AA			
	2012	0.85 ± 0.15	± 10%			C2012JB2A683K085AA	
	2012	0.05 ± 0.15	± 20%			C2012JB2A683M085AA	
	3216	1.60 ± 0.20	± 10%		C3216JB2E683K160AA	C3216JB2A683K160AA	
68 nF		2 0.20	± 20%		C3216JB2E683M160AA	C3216JB2A683M160AA	
	3225	2.00 ± 0.20	± 10%	C3225JB2J683K200AA			
			± 20%	C3225JB2J683M200AA	,		
	4532	1.60 ± 0.20	± 10%	C4532JB2J683K160KA			
			± 20%	C4532JB2J683M160KA		C0010 ID0 \ 10 4K10E \ \	
	2012	1.25 ± 0.20	± 10% ± 20%			C2012JB2A104K125AA C2012JB2A104M125AA	
			± 10%		C3216JB2E104K160AA	C3216JB2A104K160AA	
	3216	1.60 ± 0.20	± 20%		C3216JB2E104M160AA	C3216JB2A104M160AA	
100 nF			± 10%		C3225JB2E104K200AA		
	3225	2.00 ± 0.20	± 20%		C3225JB2E104M200AA		
			± 10%	C4532JB2J104K230KA			
	4532	2.30 ± 0.20	± 20%	C4532JB2J104M230KA			
	2010	1.00 - 0.00	± 10%			C3216JB2A154K160AA	
	3216	1.60 ± 0.20	± 20%			C3216JB2A154M160AA	
	3225	2.00 ± 0.20	± 10%		C3225JB2E154K200AA		
150 nF		2.00 ± 0.20	± 20%		C3225JB2E154M200AA		
13011F -	4532	1.60 ± 0.20	± 10%		C4532JB2E154K160KA		
		1.00 ± 0.20	± 20%		C4532JB2E154M160KA		
	5750	1.60 ± 0.20	± 10%	C5750JB2J154K160KA			
			± 20%	C5750JB2J154M160KA			
	3216	1.15 ± 0.10	± 10%			C3216JB2A224K115AA	
			± 20% ± 10%		COOR IRREDUAL OR A	C3216JB2A224M115AA	
	3225	3225	2.00 ± 0.20	± 10%		C3225JB2E224K200AA C3225JB2E224M200AA	
220 nF			± 10%		C4532JB2E224K230KA		
	4532	2.30 ± 0.20	± 20%		C4532JB2E224M230KA		
			± 10%	C5750JB2J224K230KA	0 100E0BEEEE 1111E0010 1		
	5750	2.30 ± 0.20	± 20%	C5750JB2J224M230KA			
			± 10%			C3216JB2A334K130AA	
	3216	1.30 ± 0.10	± 20%			C3216JB2A334M130AA	
	2025	0.00 0.00	± 10%			C3225JB2A334K200AA	
330 nF	3225	2.00 ± 0.20	± 20%			C3225JB2A334M200AA	
33U NF	4532	2.30 ± 0.20	± 10%		C4532JB2E334K230KA		
	4532	2.00 ± 0.20	± 20%		C4532JB2E334M230KA		
	5750	1.60 ± 0.20	± 10%		C5750JB2E334K160KA		
		1.00 ± 0.20	± 20%		C5750JB2E334M160KA		
	3216	1.60 ± 0.20	± 10%			C3216JB2A474K160AA	
			± 20%			C3216JB2A474M160AA	
	3225	2.00 ± 0.20	± 10%			C3225JB2A474K200AA	
470 nF -			± 20%		C4E00 ID0E 4741/0001/ *	C3225JB2A474M200AA	
	4532	2.30 ± 0.20	± 10%		C4532JB2E474K230KA		
			± 20% ± 10%		C4532JB2E474M230KA C5750JB2E474K230KA		
	5750	2.30 ± 0.20	± 10% ± 20%		C5750JB2E474N230KA		
			± 20% ± 10%		OUT DUUDZE47 4IVIZOUNA	C3216JB2A684K160AA	
	3216	1.60 ± 0.20	± 10%			C3216JB2A684M160AA	
			± 10%			C3225JB2A684K160AA	
680 nF	3225	1.60 ± 0.20	± 20%			C3225JB2A684M160AA	
			± 10%			C4532JB2A684K230KA	





Temperature Characteristics: JB (-25 to +85°C, ±10%)

Canacitanas	Cimo	Thickness	Capacitance	Catalog Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
		1.60 ± 0.20	± 10%			C5750JB2A684K160KA
680 nF	5750 -	1.60 ± 0.20	± 20%			C5750JB2A684M160KA
000 11	5/50 -	2.30 ± 0.20	± 10%		C5750JB2E684K230KA	
		2.30 ± 0.20	± 20%		C5750JB2E684M230KA	
	3216	1.60 ± 0.20	± 10%			C3216JB2A105K160AA
	3210	1.00 ± 0.20	± 20%			C3216JB2A105M160AA
	3225	2.00 ± 0.20	± 10%			C3225JB2A105K200AA
1 μF	3223	2.00 ± 0.20	± 20%			C3225JB2A105M200AA
ιμι	4532	2.30 ± 0.20	± 10%			C4532JB2A105K230KA
	4002	2.50 ± 0.20	± 20%			C4532JB2A105M230KA
	5750	2.30 ± 0.20	± 10%		C5750JB2E105K230KA	C5750JB2A105K230KA
	3730	2.50 ± 0.20	± 20%		C5750JB2E105M230KA	C5750JB2A105M230KA
	3225	2.00 ± 0.20	± 10%			C3225JB2A155K200AB
		2.00 ± 0.20	± 20%			C3225JB2A155M200AB
1.5 µF	4532	2.30 ± 0.20	± 10%			C4532JB2A155K230KA
1.5 μι	4002	2.00 ± 0.20	± 20%			C4532JB2A155M230KA
	5750	2.30 ± 0.20	± 10%			C5750JB2A155K230KA
		2.00 ± 0.20	± 20%			C5750JB2A155M230KA
	3225	2.30 ± 0.20	± 10%			C3225JB2A225K230AB
		2.50 ± 0.20	± 20%			C3225JB2A225M230AB
2.2 µF	4532	2.30 ± 0.20	± 10%			C4532JB2A225K230KA
2.2 μι		2.00 ± 0.20	± 20%			C4532JB2A225M230KA
	5750	2.30 ± 0.20	± 10%			C5750JB2A225K230KA
5/		2.00 ± 0.20	± 20%			C5750JB2A225M230KA
3.3 µF	5750	2.30 ± 0.20	± 10%			C5750JB2A335K230KA
0.0 µі		2.00 ± 0.20	± 20%			C5750JB2A335M230KA
4.7 µF	5750	2.30 ± 0.20	± 10%			C5750JB2A475K230KA
τ./ μι		2.00 ± 0.20	± 20%			C5750JB2A475M230KA

Class 2 (Temperature Stable)

Temperature Characteristics: X5R (-55 to +85°C, ±15%)

Capacitance	Size	Thickness	Capacitance	Catalog Number		
Сараспансе	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
	1608	0.80 ± 0.10	± 10%			C1608X5R2A102K080AA
		0.00 ± 0.10	± 20%			C1608X5R2A102M080AA
1 nF	2012	0.85 ± 0.15	± 10%		C2012X5R2E102K085AA	
1 111	2012	0.05 ± 0.15	± 20%		C2012X5R2E102M085AA	
	3216	1.15 ± 0.10	± 10%	C3216X5R2J102K115AA		
	0210	1.10 ± 0.10	± 20%	C3216X5R2J102M115AA		
	1608	0.80 ± 0.10	± 10%			C1608X5R2A152K080AA
	1000	0.00 ± 0.10	± 20%			C1608X5R2A152M080AA
1.5 nF	2012	0.85 ± 0.15	± 10%		C2012X5R2E152K085AA	
1.5111	2012	0.05 ± 0.15	± 20%		C2012X5R2E152M085AA	
	3216	16 1.15 ± 0.10	± 10%	C3216X5R2J152K115AA		
	3210	1.15 ± 0.10	± 20%	C3216X5R2J152M115AA		
	1608	0.80 ± 0.10	± 10%			C1608X5R2A222K080AA
	1000	0.80 ± 0.10	± 20%			C1608X5R2A222M080AA
2.2 nF	2012	0.85 ± 0.15	± 10%		C2012X5R2E222K085AA	
2.211	2012	0.85 ± 0.15	± 20%		C2012X5R2E222M085AA	
	3216	1.15 ± 0.10	± 10%	C3216X5R2J222K115AA		
	3210	1.15 ± 0.10	± 20%	C3216X5R2J222M115AA		
	1608	0.80 ± 0.10	± 10%			C1608X5R2A332K080AA
	1608	0.80 ± 0.10	± 20%			C1608X5R2A332M080AA
3.3 nF	2012	0.85 ± 0.15	± 10%		C2012X5R2E332K085AA	
3.3 NF	2012	0.85 ± 0.15	± 20%		C2012X5R2E332M085AA	
	0040	1.15 0.10	± 10%	C3216X5R2J332K115AA		
	3216	1.15 ± 0.10	± 20%	C3216X5R2J332M115AA		
47.5	1000	0.00 - 0.10	± 10%			C1608X5R2A472K080AA
4.7 nF	1608	0.80 ± 0.10	± 20%			C1608X5R2A472M080AA





Temperature Characteristics: X5R (-55 to +85°C, ±15%)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
Oupdollarioc	OIZC	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100\	
	2012	0.85 ± 0.15	± 10%		C2012X5R2E472K085AA		
4.7 nF -			± 20%	000101/5001/501	C2012X5R2E472M085AA		
	3216	1.15 ± 0.10	± 10%	C3216X5R2J472K115AA			
			± 20%	C3216X5R2J472M115AA		C1000VED04C00V0004	
	1608	0.80 ± 0.10	± 10%			C1608X5R2A682K080AA	
			± 20%		C0010VED0E00V10EAA	C1608X5R2A682M080A	
6.8 nF	2012	1.25 ± 0.20	± 10% ± 20%		C2012X5R2E682K125AA C2012X5R2E682M125AA		
			± 20% ± 10%	C3216X5R2J682K115AA	C2012A3H2E002IVI123AA		
	3216	1.15 ± 0.10	± 10%	C3216X5R2J682M115AA			
			± 10%	00210/01120002101110/01		C1608X5R2A103K080A	
	1608	0.80 ± 0.10	± 20%			C1608X5R2A103M080A	
			± 10%		C2012X5R2E103K125AA		
10 nF	2012	1.25 ± 0.20	± 20%		C2012X5R2E103M125AA		
			± 10%	C3216X5R2J103K115AA			
	3216	1.15 ± 0.10	± 20%	C3216X5R2J103M115AA			
	1000	0.00 0.10	± 10%			C1608X5R2A153K080A	
	1608	0.80 ± 0.10	± 20%			C1608X5R2A153M080A	
45 5		1.05 0.00	± 10%		C2012X5R2E153K125AA		
15 nF	2012	1.25 ± 0.20	± 20%		C2012X5R2E153M125AA		
	2016	1 20 . 0 10	± 10%	C3216X5R2J153K130AA			
	3216	1.30 ± 0.10	± 20%	C3216X5R2J153M130AA			
	1608	0.80 ± 0.10	± 10%			C1608X5R2A223K080A	
22 nF	1608	0.60 ± 0.10	± 20%			C1608X5R2A223M080A	
	2012	1.25 ± 0.20	± 10%		C2012X5R2E223K125AA		
		1.20 ± 0.20	± 20%		C2012X5R2E223M125AA		
	3216	1.30 ± 0.10	± 10%	C3216X5R2J223K130AA			
			± 20%	C3216X5R2J223M130AA			
	2012	1.25 ± 0.20	± 10%			C2012X5R2A333K125A	
33 nF			± 20%		000101/50050001/10011	C2012X5R2A333M125A	
	3216	1.60 ± 0.20	± 10%	C3216X5R2J333K160AA	C3216X5R2E333K160AA		
			± 20%	C3216X5R2J333M160AA	C3216X5R2E333M160AA	00040VED04470V40E4	
	2012	1.25 ± 0.20	± 10% ± 20%			C2012X5R2A473K125A	
			± 20% ± 10%		C3216X5R2E473K160AA	C2012X5R2A473M125A	
47 nF	3216	1.60 ± 0.20	± 10%		C3216X5R2E473M160AA		
			± 10%	C3225X5R2J473K200AA	00210/01122470101100/01		
	3225	2.00 ± 0.20	± 20%	C3225X5R2J473M200AA			
				± 10%	OOLLONO IT OMILOOF V		C2012X5R2A683K085A
	2012	2012	0.85 ± 0.15	± 20%			C2012X5R2A683M085A
			± 10%		C3216X5R2E683K160AA		
68 nF	3216	1.60 ± 0.20	± 20%		C3216X5R2E683M160AA		
		0.00	± 10%	C3225X5R2J683K200AA			
	3225	2.00 ± 0.20	± 20%	C3225X5R2J683M200AA			
	2012	1.25 . 0.20	± 10%			C2012X5R2A104K125A	
	2012	1.25 ± 0.20	± 20%			C2012X5R2A104M125A	
100 nF	3216	1.60 ± 0.20	± 10%		C3216X5R2E104K160AA		
100 111	3210	1.00 ± 0.20	± 20%		C3216X5R2E104M160AA		
	4532	2.30 ± 0.20	± 10%	C4532X5R2J104K230KA	-		
		2.00 ± 0.20	± 20%	C4532X5R2J104M230KA			
	3216	1.60 ± 0.20	± 10%			C3216X5R2A154K160A	
		0.20	± 20%			C3216X5R2A154M160A	
150 nF	3225	2.00 ± 0.20	± 10%		C3225X5R2E154K200AA		
			± 20%		C3225X5R2E154M200AA		
	5750	1.60 ± 0.20	± 10%	C5750X5R2J154K160KA			
			± 20%	C5750X5R2J154M160KA		00040\/5D0100 !!/ ! : : :	
	3216	1.15 ± 0.10	± 10%			C3216X5R2A224K115A	
220 nF			± 20%		000057650500	C3216X5R2A224M115A	
	3225	2.00 ± 0.20	± 10%		C3225X5R2E224K200AA		
			± 20%		C3225X5R2E224M200AA		





Temperature Characteristics: X5R (-55 to +85°C, ±15%)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V	
000 5	5750	2.30 ± 0.20	± 10%	C5750X5R2J224K230KA			
220 nF	5/50	2.30 ± 0.20	± 20%	C5750X5R2J224M230KA			
	3216	1.30 ± 0.10	± 10%			C3216X5R2A334K130AA	
330 nF	3216	1.30 ± 0.10	± 20%			C3216X5R2A334M130AA	
330 NF	4500	0.00 - 0.00	± 10%		C4532X5R2E334K230KA		
	4532	2.30 ± 0.20	± 20%		C4532X5R2E334M230KA		
	3216	1.00 - 0.00	± 10%			C3216X5R2A474K160AA	
470 - 5	3216	1.60 ± 0.20	± 20%			C3216X5R2A474M160AA	
470 nF	4500	0.00 0.00	± 10%		C4532X5R2E474K230KA		
	4532	2.30 ± 0.20	± 20%		C4532X5R2E474M230KA		
	3216	1.00 0.00	± 10%			C3216X5R2A684K160AA	
000 - F	3216	1.60 ± 0.20	± 20%			C3216X5R2A684M160AA	
680 nF		2.30 ± 0.20	± 10%		C5750X5R2E684K230KA		
	5750	2.30 ± 0.20	± 20%		C5750X5R2E684M230KA		
	3216	1.00 - 0.00	± 10%			C3216X5R2A105K160AA	
4	3216	1.60 ± 0.20	± 20%			C3216X5R2A105M160AA	
1 µF	5750	5750	2.20 . 0.20	± 10%		C5750X5R2E105K230KA	
	5750	2.30 ± 0.20	± 20%		C5750X5R2E105M230KA		
4.5	3225	2.00 ± 0.20	± 10%			C3225X5R2A155K200AB	
1.5 µF	3225	2.00 ± 0.20	± 20%			C3225X5R2A155M200AB	
0.0	3225	0.00 . 0.00	± 10%			C3225X5R2A225K230AB	
2.2 µF	3225	2.30 ± 0.20	± 20%			C3225X5R2A225M230AB	
22.15	5750	2.30 ± 0.20	± 10%			C5750X5R2A335K230KA	
3.3 µF	3750	2.30 ± 0.20	± 20%			C5750X5R2A335M230KA	
4.7 μF	5750	2.30 ± 0.20	± 10%			C5750X5R2A475K230KA	
4.7 μΓ	5750	2.30 ± 0.20	± 20%			C5750X5R2A475M230KA	

Class 2 (Temperature Stable)

Temperature Characteristics: X6S (-55 to +105°C, ±22%)

Canacitanas	Size	Thickness	Capacitance	Catalog Number
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 450V
1 uF	5750	2.50 ± 0.30	± 10%	C5750X6S2W105K250KA
ι με	3730	2.50 ± 0.50	± 20%	C5750X6S2W105M250KA
2.2 uF	2.2 uF 5750	2.50 ± 0.30	± 10%	C5750X6S2W225K250KA
2.2 μΓ	3730	∠.50 ± 0.30	± 20%	C5750X6S2W225M250KA

Class 2 (Temperature Stable)

Temperature Characteristics: X7R (-55 to +125°C, ±15%)

Capacitance	Size	Thickness	Capacitance	Catalog Number		
Сараспансе	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
	1608	0.80 ± 0.10	± 10%			C1608X7R2A102K080AA
	1000	0.60 ± 0.10	± 20%			C1608X7R2A102M080AA
1 nF	2012	0.85 ± 0.15	± 10%		C2012X7R2E102K085AA	C2012X7R2A102K085AA
INF	2012	0.85 ± 0.15	± 20%		C2012X7R2E102M085AA	C2012X7R2A102M085AA
	3216	1 15 . 0 15	± 10%	C3216X7R2J102K115AA		
	3210	1.15 ± 0.15	± 20%	C3216X7R2J102M115AA		
	1608	0.80 ± 0.10	± 10%			C1608X7R2A152K080AA
		0.60 ± 0.10	± 20%			C1608X7R2A152M080AA
1.5 nF	2012	0.85 ± 0.15	± 10%		C2012X7R2E152K085AA	C2012X7R2A152K085AA
1.511			± 20%		C2012X7R2E152M085AA	C2012X7R2A152M085AA
	3216	1.15 0.15	± 10%	C3216X7R2J152K115AA		
	3210	1.15 ± 0.15	± 20%	C3216X7R2J152M115AA		
	1608	0.80 ± 0.10	± 10%			C1608X7R2A222K080AA
	1000	0.60 ± 0.10	± 20%			C1608X7R2A222M080AA
2.2 nF	2012	0.85 ± 0.15	± 10%		C2012X7R2E222K085AA	C2012X7R2A222K085AA
Z.Z IIF	2012	U.85 ± U.15	± 20%		C2012X7R2E222M085AA	C2012X7R2A222M085AA
	3216	1.15 ± 0.15	± 10%	C3216X7R2J222K115AA		
	3210	1.15 ± 0.15	± 20%	C3216X7R2J222M115AA		





Temperature Characteristics: X7R (-55 to +125°C, ±15%)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
	0.20	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V	
	1608	0.80 ± 0.10	± 10%			C1608X7R2A332K080AA	
			± 20%	,	000101/505001/00511	C1608X7R2A332M080AA	
3.3 nF	2012	0.85 ± 0.15	± 10%		C2012X7R2E332K085AA	C2012X7R2A332K085AA	
			± 20%		C2012X7R2E332M085AA	C2012X7R2A332M085AA	
	3216	1.15 ± 0.15	± 10%	C3216X7R2J332K115AA			
			± 20%	C3216X7R2J332M115AA			
	1608	0.80 ± 0.10	± 10%			C1608X7R2A472K080AA	
			± 20%			C1608X7R2A472M080AA	
4.7 nF	2012	0.85 ± 0.15	± 10%		C2012X7R2E472K085AA	C2012X7R2A472K085AA	
			± 20%		C2012X7R2E472M085AA	C2012X7R2A472M085AA	
	3216	1.15 ± 0.15	± 10%	C3216X7R2J472K115AA			
			± 20%	C3216X7R2J472M115AA		0.10001/3001.0001/0001.1	
	1608	0.80 ± 0.10	± 10%	,		C1608X7R2A682K080AA	
			± 20%			C1608X7R2A682M080AA	
		0.85 ± 0.15	± 10%			C2012X7R2A682K085AA	
6.8 nF	2012 -		± 20%			C2012X7R2A682M085AA	
		1.25 ± 0.20	± 10%		C2012X7R2E682K125AA		
			± 20%		C2012X7R2E682M125AA		
	3216	1.15 ± 0.15	± 10%	C3216X7R2J682K115AA			
			± 20%	C3216X7R2J682M115AA			
	1608	0.80 ± 0.10	± 10%			C1608X7R2A103K080AA	
			± 20%			C1608X7R2A103M080AA	
	2012 -	0.85 ± 0.15	± 10%			C2012X7R2A103K085AA	
10 nF		2012 -		± 20%			C2012X7R2A103M085AA
		1.25 ± 0.20	± 10%		C2012X7R2E103K125AA		
			± 20%		C2012X7R2E103M125AA		
	3216	1.15 ± 0.15	± 10%	C3216X7R2J103K115AA			
			± 20%	C3216X7R2J103M115AA			
	1608	0.80 ± 0.10	± 10%			C1608X7R2A153K080AA	
			± 20%			C1608X7R2A153M080AA	
	2012	1.25 ± 0.20	± 10%		C2012X7R2E153K125AA	C2012X7R2A153K125AA	
15 nF			± 20%		C2012X7R2E153M125AA	C2012X7R2A153M125AA	
	3216 -	1.15 ± 0.15	± 10%		C3216X7R2E153K115AA		
			± 20%		C3216X7R2E153M115AA		
		1.30 ± 0.20	± 10%	C3216X7R2J153K130AA			
				± 20%	C3216X7R2J153M130AA		
	1608	0.80 ± 0.10	± 10%			C1608X7R2A223K080AA	
			± 20%			C1608X7R2A223M080AA	
	2012	1.25 ± 0.20	± 10%		C2012X7R2E223K125AA	C2012X7R2A223K125AA	
22 nF		1.20 2 0.20	± 20%		C2012X7R2E223M125AA	C2012X7R2A223M125AA	
		1.15 ± 0.15	± 10%		C3216X7R2E223K115AA		
	3216 -	0 _ 00	± 20%		C3216X7R2E223M115AA		
	02.0	1.30 ± 0.20	± 10%	C3216X7R2J223K130AA			
		2 0.20	± 20%	C3216X7R2J223M130AA			
	2012	1.25 ± 0.20	± 10%			C2012X7R2A333K125AA	
		2 0.20	± 20%			C2012X7R2A333M125AA	
33 nF		1.15 ± 0.15	± 10%			C3216X7R2A333K115AA	
00 111	3216 -		± 20%			C3216X7R2A333M115AA	
	0210	1.60 ± 0.20	± 10%	C3216X7R2J333K160AA	C3216X7R2E333K160AA		
		1.00 ± 0.20	± 20%	C3216X7R2J333M160AA	C3216X7R2E333M160AA		
	2012	1.25 ± 0.20	± 10%			C2012X7R2A473K125AA	
		1.20 ± 0.20	± 20%			C2012X7R2A473M125AA	
		1 15 - 0 15	± 10%			C3216X7R2A473K115AA	
47 pE	2016	1.15 ± 0.15	± 20%			C3216X7R2A473M115AA	
47 nF	3216 -	1.60 . 0.00	± 10%		C3216X7R2E473K160AA		
		1.60 ± 0.20	± 20%		C3216X7R2E473M160AA		
	2025	0.00 0.00	± 10%	C3225X7R2J473K200AA			
	3225	2.00 ± 0.20	± 20%	C3225X7R2J473M200AA			
68 nF	0012	0.05 0.5	± 10%			C2012X7R2A683K085AA	
	2012	0.85 ± 0.15	± 20%			C2012X7R2A683M085AA	





Temperature Characteristics: X7R (-55 to +125°C, ±15%)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
Оприсланос	OIZC	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V	
	3216	1.60 ± 0.20	± 10%		C3216X7R2E683K160AA	C3216X7R2A683K160AA	
			± 20%	000051/50010001/00011	C3216X7R2E683M160AA	C3216X7R2A683M160AA	
68 nF	3225	2.00 ± 0.20	± 10%	C3225X7R2J683K200AA			
			± 20%	C3225X7R2J683M200AA			
	4532	1.60 ± 0.20	± 10%	C4532X7R2J683K160KA			
			± 20%	C4532X7R2J683M160KA		000407/2004404740544	
	2012	1.25 ± 0.20	± 10%			C2012X7R2A104K125AA	
			± 20%		C2010V7D0E104V100AA	C2012X7R2A104M125AA	
	3216	1.60 ± 0.20	± 10%		C3216X7R2E104K160AA	C3216X7R2A104K160AA	
100 nF			± 20%		C3216X7R2E104M160AA C3225X7R2E104K200AA	C3216X7R2A104M160AA	
	3225	2.00 ± 0.20	± 10% ± 20%		C3225X7R2E104M200AA		
			± 10%	C4532X7R2J104K230KA	03223X7112L 104IVI200AA		
	4532	2.30 ± 0.20	± 20%	C4532X7R2J104M230KA			
			± 10%	04002X71120104WI2001XA		C3216X7R2A154K160AA	
	3216	1.60 ± 0.20	± 20%			C3216X7R2A154M160AA	
-			± 10%		C3225X7R2E154K200AA		
	3225	2.00 ± 0.20	± 20%		C3225X7R2E154M200AA		
150 nF			± 10%		C4532X7R2E154K160KA		
	4532	1.60 ± 0.20	± 20%		C4532X7R2E154M160KA		
-			± 10%	C5750X7R2J154K160KA			
	5750	1.60 ± 0.20	± 20%	C5750X7R2J154M160KA			
			± 10%			C3216X7R2A224K115AA	
	3216 ————————————————————————————————————	1.15 ± 0.15	± 20%			C3216X7R2A224M115AA	
			± 10%		C3225X7R2E224K200AA		
000 5		2.00 ± 0.20	± 20%		C3225X7R2E224M200AA		
220 nF	4532 5750		± 10%		C4532X7R2E224K230KA		
		2.30 ± 0.20	± 20%		C4532X7R2E224M230KA		
		0.00 0.00	± 10%	C5750X7R2J224K230KA			
		2.30 ± 0.20	± 20%	C5750X7R2J224M230KA			
	3216 	1 20 . 0 20	± 10%			C3216X7R2A334K130AA	
		1.30 ± 0.20	± 20%			C3216X7R2A334M130AA	
		2.00 ± 0.20	± 10%			C3225X7R2A334K200AA	
330 nF	0220		± 20%			C3225X7R2A334M200AA	
000111	4532		± 10%		C4532X7R2E334K230KA		
	4532	2.00 ± 0.20	± 20%		C4532X7R2E334M230KA		
	5750	1.60 ± 0.20	± 10%		C5750X7R2E334K160KA	,	
		1.00 = 0.20	± 20%		C5750X7R2E334M160KA		
	3216	1.60 ± 0.20	± 10%		-	C3216X7R2A474K160AA	
-			± 20%			C3216X7R2A474M160AA	
	3225	2.00 ± 0.20	± 10%			C3225X7R2A474K200AA	
470 nF			± 20%		0.4500)/3005 /3 ///000:::	C3225X7R2A474M200AA	
	4532	2.30 ± 0.20	± 10%		C4532X7R2E474K230KA		
			± 20%		C4532X7R2E474M230KA		
	5750	2.30 ± 0.20	± 10%		C5750X7R2E474K230KA		
			± 20%		C5750X7R2E474M230KA	C2016V7D0A604V400AA	
	3216	1.60 ± 0.20	± 10%			C3216X7R2A684K160AA	
-			± 20%			C3216X7R2A684M160AA	
	3225	1.60 ± 0.20	± 10% ± 20%			C3225X7R2A684K160AA C3225X7R2A684M160AA	
						C4532X7R2A684K230KA	
680 nF	4532	2.30 ± 0.20	± 10% ± 20%			C4532X7R2A684M230KA	
	-		± 20%			C5750X7R2A684K160KA	
		1.60 ± 0.20	± 20%			C5750X7R2A684M160KA	
	5750 -		± 10%		C5750X7R2E684K230KA	237 337 (1712 100 HVI 100 IV)	
		2.30 ± 0.20	± 20%		C5750X7R2E684M230KA		
			± 10%			C3216X7R2A105K160AA	
	3216	3216	1.60 ± 0.20				C3216X7R2A105M160AA
	3210		± 20%				
1 μF ·	3216	2.00 ± 0.20	± 20% ± 10%			C3225X7R2A105K200AA	





Temperature Characteristics: X7R (-55 to +125°C, ±15%)

Capacitance	Size	Thickness (mm)	Capacitance	Catalog Number		
Сараспансе	Size		Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
	4532	2.20 . 0.20	± 10%			C4532X7R2A105K230KA
1 μF	4532	2.30 ± 0.20	± 20%			C4532X7R2A105M230KA
ιμε	5750	2.30 ± 0.20	± 10%		C5750X7R2E105K230KA	C5750X7R2A105K230KA
	3730	2.30 ± 0.20	± 20%		C5750X7R2E105M230KA	C5750X7R2A105M230KA
	3225	2.00 ± 0.20	± 10%			C3225X7R2A155K200AB
	3223	2.00 ± 0.20	± 20%			C3225X7R2A155M200AB
1.5 µF	4532	2.30 ± 0.20	± 10%			C4532X7R2A155K230KA
1.5 μΓ		2.30 ± 0.20	± 20%			C4532X7R2A155M230KA
	5750	2.30 ± 0.20	± 10%			C5750X7R2A155K230KA
		2.30 ± 0.20	± 20%			C5750X7R2A155M230KA
	3225	2.30 ± 0.20	± 10%			C3225X7R2A225K230AB
	3223	2.30 ± 0.20	± 20%			C3225X7R2A225M230AB
22.45	4532	2.30 ± 0.20	± 10%			C4532X7R2A225K230KA
2.2 µF	4002	2.30 ± 0.20	± 20%			C4532X7R2A225M230KA
	5750	2.30 ± 0.20	± 10%			C5750X7R2A225K230KA
	3730	2.30 ± 0.20	± 20%			C5750X7R2A225M230KA
3.3 µF	5750	2.30 ± 0.20	± 10%			C5750X7R2A335K230KA
υ.υ μr	5750	2.30 ± 0.20	± 20%			C5750X7R2A335M230KA
47.15	5750	2.30 ± 0.20	± 10%		-	C5750X7R2A475K230KA
4.7 µF	3730	2.30 ± 0.20	± 20%			C5750X7R2A475M230KA

Class 2 (Temperature Stable)

Temperature Characteristics: X7T (-55 to +125°C, +22/-33%)

0 "	0:	Thickness (mm)	Capacitance Catalog Number					
Capacitance	Size		Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V		
1 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A102K050BB		
I NF	1005	0.50 ± 0.05	± 20%			C1005X7S2A102M050BB		
1.5 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A152K050BB		
1.5 HF	1005	0.50 ± 0.05	± 20%			C1005X7S2A152M050BB		
2.2 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A222K050BB		
2.2 11	1005	0.50 ± 0.05	± 20%			C1005X7S2A222M050BB		
3.3 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A332K050BB		
3.3 HF	3 nF 1005 0.50 ± 0	0.50 ± 0.05	± 20%			C1005X7S2A332M050BB		
4.7 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A472K050BB		
4.7 NF		0.50 ± 0.05	± 20%			C1005X7S2A472M050BB		
0.0 5	1005	0.50 0.05	± 10%			C1005X7S2A682K050BB		
6.8 nF	nF 1005 0.50 ± 0	0.50 ± 0.05	± 20%			C1005X7S2A682M050BB		
10	1005	0.50 . 0.05	± 10%			C1005X7S2A103K050BB		
IU NF	10 nF 1005	0.50 ± 0.05	± 20%			C1005X7S2A103M050BB		
00 F	1000	0.80 ± 0.10	± 10%			C1608X7S2A333K080AB		
33 nF	1608		± 20%			C1608X7S2A333M080AB		
47 nF	1608	0.80 ± 0.10	± 10%			C1608X7S2A473K080AB		
47 NF	1608	0.80 ± 0.10	± 20%			C1608X7S2A473M080AB		
C0	1000	0.00 - 0.10	± 10%			C1608X7S2A683K080AB		
68 nF	1608	0.80 ± 0.10	± 20%			C1608X7S2A683M080AB		
100 nF	1000	0.00 - 0.10	± 10%			C1608X7S2A104K080AB		
100 nF	1608	0.80 ± 0.10	± 20%			C1608X7S2A104M080AB		
450 -5	0040	0.05 0.45	± 10%			C2012X7S2A154K085AB		
150 nF	2012	0.85 ± 0.15	± 20%			C2012X7S2A154M085AB		
000 5	0010	0.05 0.45	± 10%			C2012X7S2A224K085AB		
220 nF	2012	0.85 ± 0.15	± 20%			C2012X7S2A224M085AB		
000 5	0040	1.05 0.00	± 10%			C2012X7S2A334K125AB		
330 nF	2012	1.25 ± 0.20	± 20%			C2012X7S2A334M125AB		
470 - F	0040	1.05 0.00	± 10%			C2012X7S2A474K125AB		
470 nF	2012	1.25 ± 0.20	± 20%			C2012X7S2A474M125AB		
680 nF	2012	1.05 . 0.00	± 10%			C2012X7S2A684K125AB		
11 080	2012	1.25 ± 0.20	± 20%			C2012X7S2A684M125AB		
4	0010	1.05 . 0.00	± 10%			C2012X7S2A105K125AB		
1 μF	2012	1.25 ± 0.20	± 20%			C2012X7S2A105M125AB		





Temperature Characteristics: X7S (-55 to +125°C, ±22%)

Canacitanas	Size	Thickness	Capacitance	Catalog Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
1 5 0 5	3216	1 60 + 0 20	± 10%			C3216X7S2A155K160AB
1.5 µF	3210	1.60 ± 0.20	± 20%			C3216X7S2A155M160AB
2.2 µF	3216	1.60 ± 0.20	± 10%			C3216X7S2A225K160AB
2.2 µr	3210	1.00 ± 0.20	± 20%			C3216X7S2A225M160AB
	3216	1.00 - 0.00	± 10%			C3216X7S2A335K160AB
	3210	1.60 ± 0.20	± 20%			C3216X7S2A335M160AB
22	3225	2.00 ± 0.20	± 10%			C3225X7S2A335K200AB
3.3 µF	3223	2.00 ± 0.20	± 20%			C3225X7S2A335M200AB
	4532	0.00 . 0.00	± 10%			C4532X7S2A335K200KB
	4532	2.00 ± 0.20	± 20%			C4532X7S2A335M200KB
	2005	5 2.00 ± 0.20	± 10%			C3225X7S2A475K200AB
47	3225		± 20%			C3225X7S2A475M200AB
4.7 µF	4500	0.00 . 0.00	± 10%			C4532X7S2A475K230KB
	4532	2.30 ± 0.20	± 20%			C4532X7S2A475M230KB
C 0E	F7F0	0.00 . 0.00	± 10%			C5750X7S2A685K200KB
6.8 µF	5750	2.00 ± 0.20	± 20%			C5750X7S2A685M200KB
10 uE	5750	2.30 ± 0.20	± 10%			C5750X7S2A106K230KB
10 μF	3/50	∠.3U ± U.2U	± 20%			C5750X7S2A106M230KB
15 µF	5750	2.50 ± 0.30	± 20%			C5750X7S2A156M250KB

Class 2 (Temperature Stable)

Temperature Characteristics: X7T (-55 to +125°C, +22/-33%)

Capacitance	Size	Thickness	Capacitance	Catalog Number				
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 350V	Rated Voltage Edc: 250V	
	2012	0.85 ± 0.15	± 10%		C2012X7T2W103K085AA	C2012X7T2V103K085AA		
10 nF	2012	0.05 ± 0.15	± 20%		C2012X7T2W103M085AA	C2012X7T2V103M085AA		
10 111	3216	0.85 ± 0.10	± 10%	C3216X7T2J103K085AC				
	3210	0.65 ± 0.10	± 20%	C3216X7T2J103M085AC				
	2012	0.85 ± 0.15	± 10%		C2012X7T2W153K085AA	C2012X7T2V153K085AA		
15 nF	2012	0.05 ± 0.15	± 20%		C2012X7T2W153M085AA	C2012X7T2V153M085AA		
13111	3216	0.85 ± 0.10	± 10%	C3216X7T2J153K085AC				
	3210	0.65 ± 0.10	± 20%	C3216X7T2J153M085AC				
	2012	1.25 ± 0.20	± 10%		C2012X7T2W223K125AA	C2012X7T2V223K125AA		
22 nF	2012	1.25 ± 0.20	± 20%		C2012X7T2W223M125AA	C2012X7T2V223M125AA		
22 115	2010	1.15 ± 0.10	± 10%	C3216X7T2J223K115AC				
	3216	1.15 ± 0.10	± 20%	C3216X7T2J223M115AC				
	2012	1.25 ± 0.20	± 10%		C2012X7T2W333K125AA	C2012X7T2V333K125AA	C2012X7T2E333K125AA	
33 nF	2012	1.25 ± 0.20	± 20%		C2012X7T2W333M125AA	C2012X7T2V333M125AA	C2012X7T2E333M125AA	
33 NF	3216	1.15 ± 0.10	± 10%	C3216X7T2J333K115AC				
	3210	1.15 ± 0.10	± 20%	C3216X7T2J333M115AC				
	2012	1.25 ± 0.20	± 10%		C2012X7T2W473K125AA	C2012X7T2V473K125AA	C2012X7T2E473K125AA	
47 nF	2012	1.25 ± 0.20	± 20%		C2012X7T2W473M125AA	C2012X7T2V473M125AA	C2012X7T2E473M125AA	
47 NF	2010	1.00 - 0.00	± 10%	C3216X7T2J473K160AC				
	3216 1.6	6 1.60 ± 0.20	± 20%	C3216X7T2J473M160AC				
	2012	1.25 ± 0.20	± 10%				C2012X7T2E683K125AA	
00 - F	2012		± 20%				C2012X7T2E683M125AA	
68 nF	3216	2010	1.30 ± 0.10	± 10%		C3216X7T2W683K130AA	C3216X7T2V683K130AA	
	3210	1.30 ± 0.10	± 20%		C3216X7T2W683M130AA	C3216X7T2V683M130AA		
	0040	1.05 0.00	± 10%				C2012X7T2E104K125AA	
	2012	1.25 ± 0.20	± 20%				C2012X7T2E104M125AA	
100	2010	1.00 . 0.00	± 10%		C3216X7T2W104K160AA	C3216X7T2V104K160AA		
100 nF	3216	1.60 ± 0.20	± 20%		C3216X7T2W104M160AA	C3216X7T2V104M160AA		
	0005	1.00 0.00	± 10%	C3225X7T2J104K160AC				
	3225	1.60 ± 0.20	± 20%	C3225X7T2J104M160AC				
	0010	1.00 0.10	± 10%				C3216X7T2E154K130AA	
	3216	1.30 ± 0.10	± 20%				C3216X7T2E154M130AA	
450 -5	0005	0.00 0.00	± 10%	C3225X7T2J154K200AC				
150 nF	3225	2.00 ± 0.20	± 20%	C3225X7T2J154M200AC				
	4500	1.00 - 0.00	± 10%	C4532X7T2J154K160KC				
	4532	1.60 ± 0.20	± 20%	C4532X7T2J154M160KC		-		





Class 2 (Temperature Stable)

Temperature Characteristics: X7T (-55 to +125°C, +22/-33%)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
Capacitance	SIZE	(mm)	Tölerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 350V	Rated Voltage Edc: 250V
	3216	1.60 ± 0.20	± 10%				C3216X7T2E224K160AA
	3210	1.00 ± 0.20	± 20%				C3216X7T2E224M160AA
220 nF	3225	2.00 ± 0.20	± 10%		C3225X7T2W224K200AA		
220111	0220	2.00 ± 0.20	± 20%		C3225X7T2W224M200AA		
	4532	2.00 ± 0.20	± 10%	C4532X7T2J224K200KC			
	4002	2.00 ± 0.20	± 20%	C4532X7T2J224M200KC			
300 nF	4532	2.00 ± 0.20	± 10%	C4532X7T2J304K250KA			
300 111	4002	2.00 ± 0.20	± 20%	C4532X7T2J304M250KA			
	3225	2.00 ± 0.20	± 10%				C3225X7T2E334K200AA
	3223	2.00 ± 0.20	± 20%				C3225X7T2E334M200AA
330 nF	4532	1.60 ± 0.20	± 10%		C4532X7T2W334K160KA		
330 111	4552		± 20%		C4532X7T2W334M160KA		
	5750	0 2.00 ± 0.20	± 10%	C5750X7T2J334K200KC			
	3730 2.00 3	2.00 ± 0.20	± 20%	C5750X7T2J334M200KC			
	4532	2.30 ± 0.20	± 10%		C4532X7T2W474K230KA		
470 nF	4552	2.50 ± 0.20	± 20%		C4532X7T2W474M230KA		
470111	5750	750 2.50 ± 0.30	± 10%	C5750X7T2J474K250KC			
	0700	2.00 ± 0.00	± 20%	C5750X7T2J474M250KC			
	4532	1.60 ± 0.20	± 10%				C4532X7T2E684K160KA
680 nF	4002	1.00 ± 0.20	± 20%				C4532X7T2E684M160KA
000 111	5750	2.00 ± 0.20	± 10%		C5750X7T2W684K200KA		
		2.00 ± 0.20	± 20%		C5750X7T2W684M200KA		
	4532	2.50 ± 0.30	± 10%				C4532X7T2E105K250KA
1 µF	4002	2.50 ± 0.50	± 20%				C4532X7T2E105M250KA
тμι	5750	2.50 ± 0.30	± 10%		C5750X7T2W105K250KA		
	3730	2.30 ± 0.30	± 20%		C5750X7T2W105M250KA		
1.5 µF	5750	2.00 ± 0.20	± 10%				C5750X7T2E155K200KA
1.5 μι	3730	2.00 ± 0.20	± 20%				C5750X7T2E155M200KA
2.2 µF	5750	2.50 ± 0.30	± 10%				C5750X7T2E225K250KA
2.2 µ1	0700	2.5U ± U.3U	± 20%				C5750X7T2E225M250KA