



MULTILAYER CERAMIC CHIP CAPACITORS

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:
January 2013



Version A13

REMINDERS

Please read before using this product

SAFETY REMINDERS



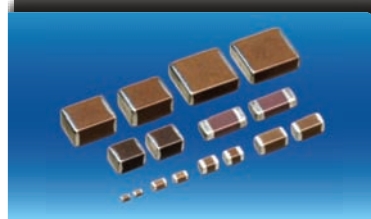
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(Example)

Catalog Issued date	TDK Part Number (In Catalog)	TDK 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 15 μ F.
- 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
T	Body Height
B	Terminal Width
G	Terminal Spacing



Part 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 $\pm$ 0.05	0.50 $\pm$ 0.05	0.10 min.
C1608	1.60 $\pm$ 0.10	0.80 $\pm$ 0.10	0.20 min.
C2012	2.00 $\pm$ 0.20	1.25 $\pm$ 0.20	0.20 min.
C3216	3.20 $\pm$ 0.20	1.60 $\pm$ 0.20	0.20 min.
C3225	3.20 $\pm$ 0.40	2.50 $\pm$ 0.30	0.20 min.
C4532	4.50 $\pm$ 0.40	3.20 $\pm$ 0.40	0.20 min.
C5750	5.70 $\pm$ 0.40	5.00 $\pm$ 0.40	0.20 min.

*Dimension tolerance are typical values

Temperature Characteristics

Temperature Characteristics	Capacitance Change	Temperature Range
CH	0 $\pm$ 60 ppm/ $^{\circ}$ C	-25 to +85 $^{\circ}$ C
COG	0 $\pm$ 30 ppm/ $^{\circ}$ C	-55 to +125 $^{\circ}$ C
JB	$\pm$ 10%	-25 to +85 $^{\circ}$ C
X5R	$\pm$ 15%	-55 to +85 $^{\circ}$ C
X6S	$\pm$ 22%	-55 to +105 $^{\circ}$ C
X7R	$\pm$ 15%	-55 to +125 $^{\circ}$ C
X7S	$\pm$ 22%	-55 to +125 $^{\circ}$ C
X7T	+22/-33%	-55 to +125 $^{\circ}$ 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
C	$\pm$ 0.25pF
D	$\pm$ 0.50pF
F	$\pm$ 1%
G	$\pm$ 2%
J	$\pm$ 5%
K	$\pm$ 10%
M	$\pm$ 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	320	3.20 mm

Packaging Style

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

Special Reserved Code

Code	Description
A, B, C	TDK Internal Code



Capacitance Range Chart

EIA CC0402 [C1005]

Capacitance Range Chart

Temperature Characteristics: X7S ($\pm 22\%$)

Rated Voltage: 100V (2A)

Capacitance (pF)	Code	Tolerance	X7S 2A (100V)
1,000	102	K: $\pm 10\%$ M: $\pm 20\%$	
1,500	152		
2,200	222		
3,300	332		
4,700	472		
6,800	682		
10,000	103		

Standard Thickness

 0.50 mm



Capacitance Range Chart

EIA CC0603 [C1608]

Capacitance Range Chart

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

Capacitance (pF)	Code	Tolerance	C0G		CH		JB	X5R	X7R	X7S
			2E (250V)	2A (100V)	2E (250V)	2A (100V)	2A (100V)	2A (100V)	2A (100V)	2A (100V)
1	010	C: $\pm 0.25\text{pF}$								
1.5	1R5	D: $\pm 0.50\text{pF}$								
2	020	F: $\pm 1\%$								
2.2	2R2	G: $\pm 2\%$								
3	030	J: $\pm 5\%$								
3.3	3R3	K: $\pm 10\%$								
4	040	M: $\pm 20\%$								
4.7	4R7									
5	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	101									
120	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									
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	104									

Standard Thickness
 0.80 mm



Capacitance Range Chart

EIA CC0805 [C2012]

Capacitance Range Chart

Temperature Characteristics: C0G ($0 \pm 30\text{ppm}/^\circ\text{C}$), CH ($0 \pm 60\text{ppm}/^\circ\text{C}$)
Rated Voltage: 250V (2E), 100V (2A)

Capacitance (pF)	Code	Tolerance	C0G		CH	
			2E (250V)	2A (100V)	2E (250V)	2A (100V)
820	821	J: $\pm 5\%$				
1,000	102	K: $\pm 10\%$				
1,200	122	M: $\pm 20\%$				
1,500	152					
1,800	182					
2,200	222					
2,700	272					
3,300	332					
3,900	392					
4,700	472					

Standard Thickness

- 0.60 mm
- 0.85 mm
- 1.25 mm

Capacitance Range Chart

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

Capacitance (pF)	Code	Tolerance	JB		X5R		X7R		X7S	X7T		
			2E (250V)	2A (100V)	2E (250V)	2A (100V)	2E (250V)	2A (100V)	2A (100V)	2W (450V)	2V (350V)	2E (250V)
1,000	102	J: $\pm 5\%$										
1,500	152	K: $\pm 10\%$										
2,200	222	M: $\pm 20\%$										
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											
470,000	474											
680,000	684											
1,000,000	105											

Standard Thickness

- 0.85 mm
- 1.25 mm



Capacitance Range Chart

EIA CC1206 [C3216]

Capacitance Range Chart

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH (0 ± 60ppm/°C), JB (±10%), X5R (±15%), X7S (±22%)

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

Capacitance (pF)	Code	Tolerance	C0G			CH			JB			X5R			X7S
			2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	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														
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														
5,600	562														
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														
150,000	154														
220,000	224														
330,000	334														
470,000	474														
680,000	684														
1,000,000	105														
1,500,000	155														
2,200,000	225														
3,300,000	335														

Standard Thickness

0.60 mm 0.85 mm 1.15 mm 1.30 mm 1.60 mm



Capacitance Range Chart

EIA CC1206 [C3216]

Capacitance Range Chart

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

Capacitance (pF)	Code	Tolerance	X7R			X7T			
			2J (630V)	2E (250V)	2A (100V)	2J (630V)	2W (450V)	2V (350V)	2E (250V)
1,000	102	K: $\pm 10\%$ M: $\pm 20\%$							
1,500	152								
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	104								
150,000	154								
220,000	224								
330,000	334								
470,000	474								
680,000	684								
1,000,000	105								

Standard Thickness

- 0.85 mm
- 1.15 mm
- 1.30 mm
- 1.60 mm



Capacitance Range Chart

EIA CC1210 [C3225]

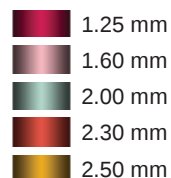
Capacitance Range Chart

Temperature Characteristics: C0G ($0 \pm 30\text{ppm}/^\circ\text{C}$), CH ($0 \pm 60\text{ppm}/^\circ\text{C}$), JB ($\pm 10\%$)

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

Capacitance (pF)	Code	Tolerance	C0G			CH			JB		
			2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)
3,900	392	J: $\pm 5\%$									
4,700	472	K: $\pm 10\%$									
5,600	562	M: $\pm 20\%$									
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										
150,000	154										
220,000	224										
330,000	334										
470,000	474										
680,000	684										
1,000,000	105										
1,500,000	155										
2,200,000	225										

Standard Thickness



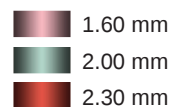
Capacitance Range Chart

Temperature Characteristics: X5R ($\pm 15\%$), X7R ($\pm 15\%$), X7S ($\pm 22\%$), X7T ($+22/-33\%$)

Rated Voltage: 630V (2J), 450V (2W), 250V (2E), 100V (2A)

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

Standard Thickness





Capacitance Range Chart

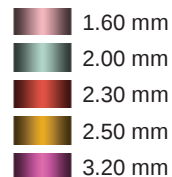
EIA CC1812 [C4532]

Capacitance Range Chart

Temperature Characteristics: C0G ($0 \pm 30\text{ppm}/^\circ\text{C}$), CH ($0 \pm 60\text{ppm}/^\circ\text{C}$), JB ($\pm 10\%$)
 Rated Voltage: 630V (2J), 250V (2E), 100V (2A)

Capacitance (pF)	Code	Tolerance	C0G			CH			JB		
			2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)
8,200	822	J: $\pm 5\%$									
10,000	103	K: $\pm 10\%$									
15,000	153	M: $\pm 20\%$									
22,000	223										
33,000	333										
47,000	473										
68,000	683										
100,000	104										
150,000	154										
220,000	224										
330,000	334										
680,000	684										
1,000,000	105										
1,500,000	155										
2,200,000	225										

Standard Thickness

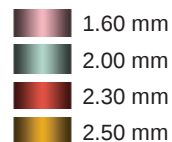


Capacitance Range Chart

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

Capacitance (pF)	Code	Tolerance	X5R			X7R			X7S	X7T		
			2J (630V)	2E (250V)	2J (630V)	2E (250V)	2A (100V)	2A (100V)	2J (630V)	2W (450V)	2E (250V)	
68,000	683	K: $\pm 10\%$										
100,000	104	M: $\pm 20\%$										
150,000	154											
220,000	224											
300,000	304											
330,000	334											
470,000	474											
680,000	684											
1,000,000	105											
1,500,000	155											
2,200,000	225											
3,300,000	335											
4,700,000	475											

Standard Thickness





Capacitance Range Chart

EIA CC2220 [C5750]

Capacitance Range Chart

Temperature Characteristics: JB ($\pm 10\%$), X5R ($\pm 15\%$), X6S ($\pm 22\%$)

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

Capacitance (pF)	Code	Tolerance	JB			X5R			X6S
			2J (630V)	2E (250V)	2A (100V)	2J (630V)	2E (250V)	2A (100V)	2W (450V)
150,000	154	K: $\pm 10\%$ M: $\pm 20\%$	1.60 mm			1.60 mm			
220,000	224		1.60 mm			1.60 mm			
330,000	334			1.60 mm					
470,000	474			1.60 mm					
680,000	684			1.60 mm			1.60 mm		
1,000,000	105			1.60 mm	1.60 mm		1.60 mm		2.50 mm
1,500,000	155			1.60 mm	1.60 mm		1.60 mm		2.50 mm
2,200,000	225			1.60 mm	1.60 mm		1.60 mm		2.50 mm
3,300,000	335			1.60 mm	1.60 mm		1.60 mm		2.50 mm
4,700,000	475			1.60 mm	1.60 mm		1.60 mm		2.50 mm

Standard Thickness

1.60 mm
2.30 mm
2.50 mm

Capacitance Range Chart

Temperature Characteristics: X7R ($\pm 15\%$), X7S ($\pm 22\%$), X7T ($+22/-33\%$)

Rated Voltage: 630V (2J), 450V (2W), 250V (2E), 100V (2A)

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

Standard Thickness

1.60 mm
2.00 mm
2.30 mm
2.50 mm



Capacitance Range Table

Class 1 (Temperature Compensating)

Temperature Characteristics: C0G (-55 to +125°C, 0±30 ppm/°C)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	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			C1608C0G2A1R5C080AA
2 pF	1608	0.80 ± 0.10	± 0.25pF			C1608C0G2A020C080AA
2.2 pF	1608	0.80 ± 0.10	± 0.25pF			C1608C0G2A2R2C080AA
3 pF	1608	0.80 ± 0.10	± 0.25pF			C1608C0G2A030C080AA
3.3 pF	1608	0.80 ± 0.10	± 0.25pF			C1608C0G2A3R3C080AA
4 pF	1608	0.80 ± 0.10	± 0.25pF			C1608C0G2A040C080AA
4.7 pF	1608	0.80 ± 0.10	± 0.25pF			C1608C0G2A4R7C080AA
5 pF	1608	0.80 ± 0.10	± 0.25pF			C1608C0G2A050C080AA
6 pF	1608	0.80 ± 0.10	± 0.50pF			C1608C0G2A060D080AA
6.8 pF	1608	0.80 ± 0.10	± 0.50pF			C1608C0G2A6R8D080AA
7 pF	1608	0.80 ± 0.10	± 0.50pF			C1608C0G2A070D080AA
8 pF	1608	0.80 ± 0.10	± 0.50pF			C1608C0G2A080D080AA
9 pF	1608	0.80 ± 0.10	± 0.50pF			C1608C0G2A090D080AA
10 pF	1608	0.80 ± 0.10	± 0.50pF			C1608C0G2A100D080AA
12 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A120J080AA
15 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A150J080AA
18 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A180J080AA
22 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A220J080AA
27 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A270J080AA
33 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A330J080AA
39 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A390J080AA
47 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A470J080AA
56 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A560J080AA
68 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A680J080AA
82 pF	1608	0.80 ± 0.10	± 5%			C1608C0G2A820J080AA
100 pF	1608	0.80 ± 0.10	± 10%		C1608C0G2E101K080AA	C1608C0G2A101K080AA
			± 5%		C1608C0G2E101J080AA	C1608C0G2A101J080AA
			± 2%			C1608C0G2A101G080AA
			± 1%			C1608C0G2A101F080AA
			± 10%	C3216C0G2J101K060AA		
120 pF	3216	0.60 ± 0.15	± 5%	C3216C0G2J101J060AA		
			± 10%		C1608C0G2E121K080AA	C1608C0G2A121K080AA
			± 5%		C1608C0G2E121J080AA	C1608C0G2A121J080AA
			± 10%	C3216C0G2J121K060AA		
			± 5%	C3216C0G2J121J060AA		
150 pF	1608	0.80 ± 0.10	± 10%		C1608C0G2E151K080AA	C1608C0G2A151K080AA
			± 5%		C1608C0G2E151J080AA	C1608C0G2A151J080AA
			± 10%	C3216C0G2J151K060AA		
			± 5%	C3216C0G2J151J060AA		
			± 10%		C1608C0G2E181K080AA	C1608C0G2A181K080AA
180 pF	3216	0.60 ± 0.15	± 5%		C1608C0G2E181J080AA	C1608C0G2A181J080AA
			± 10%	C3216C0G2J181K060AA		
			± 5%	C3216C0G2J181J060AA		
			± 10%		C1608C0G2E221K080AA	C1608C0G2A221K080AA
			± 5%		C1608C0G2E221J080AA	C1608C0G2A221J080AA
220 pF	1608	0.80 ± 0.10	± 10%			
			± 5%			
			± 10%	C3216C0G2J221K060AA		
			± 5%	C3216C0G2J221J060AA		
			± 10%		C1608C0G2E271K080AA	C1608C0G2A271K080AA
270 pF	3216	0.60 ± 0.15	± 5%		C1608C0G2E271J080AA	C1608C0G2A271J080AA
			± 10%	C3216C0G2J271K060AA		
			± 5%	C3216C0G2J271J060AA		
			± 10%		C1608C0G2E331K080AA	C1608C0G2A331K080AA
			± 5%		C1608C0G2E331J080AA	C1608C0G2A331J080AA
330 pF	1608	0.80 ± 0.10	± 10%			
			± 5%			
			± 10%	C3216C0G2J331K060AA		
			± 5%	C3216C0G2J331J060AA		
			± 10%		C1608C0G2E391K080AA	C1608C0G2A391K080AA
390 pF	3216	0.60 ± 0.15	± 5%		C1608C0G2E391J080AA	C1608C0G2A391J080AA
			± 10%	C3216C0G2J391K060AA		
			± 5%	C3216C0G2J391J060AA		
			± 10%			
			± 5%			



Capacitance Range Table

Class 1 (Temperature Compensating)

Temperature Characteristics: C0G (-55 to +125°C, 0±30 ppm/°C)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
470 pF	1608	0.80 ± 0.10	± 10%		C1608C0G2E471K080AA	C1608C0G2A471K080AA
			± 5%		C1608C0G2E471J080AA	C1608C0G2A471J080AA
	3216	0.85 ± 0.15	± 10%	C3216C0G2J471K085AA		
			± 5%	C3216C0G2J471J085AA		
560 pF	1608	0.80 ± 0.10	± 10%		C1608C0G2E561K080AA	C1608C0G2A561K080AA
			± 5%		C1608C0G2E561J080AA	C1608C0G2A561J080AA
	3216	0.85 ± 0.15	± 10%	C3216C0G2J561K085AA		
			± 5%	C3216C0G2J561J085AA		
680 pF	1608	0.80 ± 0.10	± 10%		C1608C0G2E681K080AA	C1608C0G2A681K080AA
			± 5%		C1608C0G2E681J080AA	C1608C0G2A681J080AA
	3216	0.85 ± 0.15	± 10%	C3216C0G2J681K085AA		
			± 5%	C3216C0G2J681J085AA		
820 pF	1608	0.80 ± 0.10	± 10%			C1608C0G2A821K080AA
			± 5%			C1608C0G2A821J080AA
	2012	0.60 ± 0.15	± 10%		C2012C0G2E821K060AA	
			± 5%		C2012C0G2E821J060AA	
3216	0.85 ± 0.15	± 10%	C3216C0G2J821K085AA			
		± 5%	C3216C0G2J821J085AA			
1 nF	1608	0.80 ± 0.10	± 10%			C1608C0G2A102K080AA
			± 5%			C1608C0G2A102J080AA
			± 2%			C1608C0G2A102G080AA
			± 1%			C1608C0G2A102F080AA
	2012	0.60 ± 0.15	± 5%			C2012C0G2A102J060AA
		0.85 ± 0.15	± 10%		C2012C0G2E102K085AA	
	± 5%			C2012C0G2E102J085AA		
	3216	0.85 ± 0.15	± 10%	C3216C0G2J102K085AA		
			± 5%	C3216C0G2J102J085AA		
	1.2 nF	1608	0.80 ± 0.10	± 10%		
± 5%						C1608C0G2A122J080AA
2012		0.60 ± 0.15	± 5%			C2012C0G2A122J060AA
		0.85 ± 0.15	± 10%		C2012C0G2E122K085AA	
± 5%				C2012C0G2E122J085AA		
3216	0.85 ± 0.15	± 10%	C3216C0G2J122K085AA			
		± 5%	C3216C0G2J122J085AA			
1.5 nF	2012	0.60 ± 0.15	± 10%			C2012C0G2A152K060AA
			± 5%			C2012C0G2A152J060AA
		0.85 ± 0.15	± 10%		C2012C0G2E152K085AA	
	± 5%			C2012C0G2E152J085AA		
	3216	1.15 ± 0.15	± 10%	C3216C0G2J152K115AA		
± 5%			C3216C0G2J152J115AA			
1.8 nF	2012	0.85 ± 0.15	± 10%			C2012C0G2A182K085AA
			± 5%			C2012C0G2A182J085AA
		1.25 ± 0.20	± 10%		C2012C0G2E182K125AA	
	± 5%			C2012C0G2E182J125AA		
	3216	1.15 ± 0.15	± 10%	C3216C0G2J182K115AA		
± 5%			C3216C0G2J182J115AA			
2.2 nF	2012	0.85 ± 0.15	± 10%			C2012C0G2A222K085AA
			± 5%			C2012C0G2A222J085AA
		1.25 ± 0.20	± 10%		C2012C0G2E222K125AA	
	± 5%			C2012C0G2E222J125AA		
	3216	1.15 ± 0.15	± 10%	C3216C0G2J222K115AA		
± 5%			C3216C0G2J222J115AA			
2.7 nF	2012	1.25 ± 0.20	± 10%		C2012C0G2E272K125AA	C2012C0G2A272K125AA
			± 5%		C2012C0G2E272J125AA	C2012C0G2A272J125AA
	3216	1.60 ± 0.20	± 10%	C3216C0G2J272K160AA		
			± 5%	C3216C0G2J272J160AA		
3.3 nF	2012	1.25 ± 0.20	± 10%			C2012C0G2A332K125AA
			± 5%			C2012C0G2A332J125AA
	3216	0.85 ± 0.15	± 10%		C3216C0G2E332K085AA	
			± 5%		C3216C0G2E332J085AA	



Capacitance Range Table

Class 1 (Temperature Compensating)

Temperature Characteristics: C0G (-55 to +125°C, 0±30 ppm/°C)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
3.3 nF	3216	1.60 ± 0.20	± 10%	C3216C0G2J332K160AA		
			± 5%	C3216C0G2J332J160AA		
	2012	1.25 ± 0.20	± 10%			C2012C0G2A392K125AA
			± 5%			C2012C0G2A392J125AA
3.9 nF	3216	0.60 ± 0.15	± 10%			C3216C0G2A392K060AA
			± 5%			C3216C0G2A392J060AA
		0.85 ± 0.15	± 10%	C3216C0G2J392K085AA		
			± 5%	C3216C0G2J392J085AA		
	3225	1.15 ± 0.15	± 10%		C3216C0G2E392K115AA	
			± 5%		C3216C0G2E392J115AA	
		1.25 ± 0.20	± 10%	C3225C0G2J392K125AA		
			± 5%	C3225C0G2J392J125AA		
4.7 nF	2012	1.25 ± 0.20	± 10%			C2012C0G2A472K125AA
			± 5%			C2012C0G2A472J125AA
		0.85 ± 0.15	± 10%	C3216C0G2J472K085AA		C3216C0G2A472K085AA
			± 5%	C3216C0G2J472J085AA		C3216C0G2A472J085AA
	3216	1.15 ± 0.15	± 10%		C3216C0G2E472K115AA	
			± 5%		C3216C0G2E472J115AA	
		1.60 ± 0.20	± 10%	C3225C0G2J472K160AA		
			± 5%	C3225C0G2J472J160AA		
5.6 nF	3216	0.85 ± 0.15	± 10%			C3216C0G2A562K085AA
			± 5%			C3216C0G2A562J085AA
		1.15 ± 0.15	± 10%	C3216C0G2J562K115AA	C3216C0G2E562K115AA	
			± 5%	C3216C0G2J562J115AA	C3216C0G2E562J115AA	
	3225	1.60 ± 0.20	± 10%	C3225C0G2J562K160AA		
			± 5%	C3225C0G2J562J160AA		
6.8 nF	3216	1.15 ± 0.15	± 10%	C3216C0G2J682K115AA		C3216C0G2A682K115AA
			± 5%	C3216C0G2J682J115AA		C3216C0G2A682J115AA
		1.60 ± 0.20	± 10%		C3216C0G2E682K160AA	
			± 5%		C3216C0G2E682J160AA	
	3225	2.00 ± 0.20	± 10%	C3225C0G2J682K200AA		
			± 5%	C3225C0G2J682J200AA		
8.2 nF	3216	1.15 ± 0.15	± 10%			C3216C0G2A822K115AA
			± 5%			C3216C0G2A822J115AA
		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		
10 nF	3216	1.15 ± 0.15	± 10%			C3216C0G2A103K115AA
			± 5%			C3216C0G2A103J115AA
		1.60 ± 0.20	± 10%	C3216C0G2J103K160AA		
			± 5%	C3216C0G2J103J160AA		
	3225	1.25 ± 0.20	± 10%	C3225C0G2J103K125AA		
			± 5%	C3225C0G2J103J125AA		
		1.60 ± 0.20	± 10%		C3225C0G2E103K160AA	
			± 5%		C3225C0G2E103J160AA	
15 nF	4532	1.60 ± 0.20	± 10%	C4532C0G2J103K160KA		
			± 5%	C4532C0G2J103J160KA		
	3225	1.25 ± 0.20	± 10%			C3225C0G2A153K125AA
			± 5%			C3225C0G2A153J125AA
		1.60 ± 0.20	± 10%	C3225C0G2J153K160AA		
			± 5%	C3225C0G2J153J160AA		
	4532	2.00 ± 0.20	± 10%		C3225C0G2E153K200AA	
			± 5%		C3225C0G2E153J200AA	
22 nF	3225	1.60 ± 0.20	± 10%			C3225C0G2A223K160AA
			± 5%			C3225C0G2A223J160AA



Capacitance Range Table

Class 1 (Temperature Compensating)

Temperature Characteristics: C0G (-55 to +125°C, 0±30 ppm/°C)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
22 nF	3225	2.30 ± 0.20	± 10%	C3225C0G2J223K230AA		
			± 5%	C3225C0G2J223J230AA		
	4532	1.60 ± 0.20	± 10%		C4532C0G2E223K160KA	
			± 5%		C4532C0G2E223J160KA	
		3.20 ± 0.30	± 10%	C4532C0G2J223K320KA		
			± 5%	C4532C0G2J223J320KA		
33 nF	3225	2.00 ± 0.20	± 10%			C3225C0G2A333K200AA
			± 5%			C3225C0G2A333J200AA
		2.50 ± 0.30	± 10%	C3225C0G2J333K250AA		
			± 5%	C3225C0G2J333J250AA		
	4532	2.00 ± 0.20	± 10%		C4532C0G2E333K200KA	
			± 5%		C4532C0G2E333J200KA	
47 nF	3225	2.30 ± 0.20	± 10%			C3225C0G2A473K230AA
			± 5%			C3225C0G2A473J230AA
	4532	2.00 ± 0.20	± 10%			C4532C0G2A473K200KA
			± 5%			C4532C0G2A473J200KA
		3.20 ± 0.30	± 10%		C4532C0G2E473K320KA	
			± 5%		C4532C0G2E473J320KA	
68 nF	4532	2.50 ± 0.30	± 10%			C4532C0G2A683K250KA
			± 5%			C4532C0G2A683J250KA
100 nF	4532	3.20 ± 0.30	± 10%			C4532C0G2A104K320KA
			± 5%			C4532C0G2A104J320KA

Class 1 (Temperature Compensating)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	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	± 5%			C1608CH2A180J080AA
22 pF	1608	0.80 ± 0.10	± 5%			C1608CH2A220J080AA
27 pF	1608	0.80 ± 0.10	± 5%			C1608CH2A270J080AA
33 pF	1608	0.80 ± 0.10	± 5%			C1608CH2A330J080AA
39 pF	1608	0.80 ± 0.10	± 5%			C1608CH2A390J080AA
47 pF	1608	0.80 ± 0.10	± 5%			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
100 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E101K080AA	C1608CH2A101K080AA
			± 5%		C1608CH2E101J080AA	C1608CH2A101J080AA
	3216	0.60 ± 0.15	± 10%	C3216CH2J101K060AA		
			± 5%	C3216CH2J101J060AA		
120 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E121K080AA	C1608CH2A121K080AA
			± 5%		C1608CH2E121J080AA	C1608CH2A121J080AA



Capacitance Range Table

Class 1 (Temperature Compensating)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
120 pF	3216	0.60 ± 0.15	± 10%	C3216CH2J121K060AA		
			± 5%	C3216CH2J121J060AA		
150 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E151K080AA	C1608CH2A151K080AA
			± 5%		C1608CH2E151J080AA	C1608CH2A151J080AA
	3216	0.60 ± 0.15	± 10%	C3216CH2J151K060AA		
			± 5%	C3216CH2J151J060AA		
180 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E181K080AA	C1608CH2A181K080AA
			± 5%		C1608CH2E181J080AA	C1608CH2A181J080AA
	3216	0.60 ± 0.15	± 10%	C3216CH2J181K060AA		
			± 5%	C3216CH2J181J060AA		
220 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E221K080AA	C1608CH2A221K080AA
			± 5%		C1608CH2E221J080AA	C1608CH2A221J080AA
	3216	0.60 ± 0.15	± 10%	C3216CH2J221K060AA		
			± 5%	C3216CH2J221J060AA		
270 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E271K080AA	C1608CH2A271K080AA
			± 5%		C1608CH2E271J080AA	C1608CH2A271J080AA
	3216	0.60 ± 0.15	± 10%	C3216CH2J271K060AA		
			± 5%	C3216CH2J271J060AA		
330 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E331K080AA	C1608CH2A331K080AA
			± 5%		C1608CH2E331J080AA	C1608CH2A331J080AA
	3216	0.60 ± 0.15	± 10%	C3216CH2J331K060AA		
			± 5%	C3216CH2J331J060AA		
390 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E391K080AA	C1608CH2A391K080AA
			± 5%		C1608CH2E391J080AA	C1608CH2A391J080AA
	3216	0.60 ± 0.15	± 10%	C3216CH2J391K060AA		
			± 5%	C3216CH2J391J060AA		
470 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E471K080AA	C1608CH2A471K080AA
			± 5%		C1608CH2E471J080AA	C1608CH2A471J080AA
	3216	0.85 ± 0.15	± 10%	C3216CH2J471K085AA		
			± 5%	C3216CH2J471J085AA		
560 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E561K080AA	C1608CH2A561K080AA
			± 5%		C1608CH2E561J080AA	C1608CH2A561J080AA
	3216	0.85 ± 0.15	± 10%	C3216CH2J561K085AA		
			± 5%	C3216CH2J561J085AA		
680 pF	1608	0.80 ± 0.10	± 10%		C1608CH2E681K080AA	C1608CH2A681K080AA
			± 5%		C1608CH2E681J080AA	C1608CH2A681J080AA
	3216	0.85 ± 0.15	± 10%	C3216CH2J681K085AA		
			± 5%	C3216CH2J681J085AA		
820 pF	1608	0.80 ± 0.10	± 10%			C1608CH2A821K080AA
			± 5%			C1608CH2A821J080AA
	2012	0.60 ± 0.15	± 10%		C2012CH2E821K060AA	
			± 5%		C2012CH2E821J060AA	
	3216	0.85 ± 0.15	± 10%	C3216CH2J821K085AA		
			± 5%	C3216CH2J821J085AA		
1 nF	1608	0.80 ± 0.10	± 10%			C1608CH2A102K080AA
			± 5%			C1608CH2A102J080AA
	2012	0.60 ± 0.15	± 5%			C2012CH2A102J060AA
		0.85 ± 0.15	± 10%		C2012CH2E102K085AA	
			± 5%		C2012CH2E102J085AA	
	3216	0.85 ± 0.15	± 10%	C3216CH2J102K085AA		
1.2 nF	1608	0.80 ± 0.10	± 10%			C1608CH2A122K080AA
			± 5%			C1608CH2A122J080AA
	2012	0.60 ± 0.15	± 5%			C2012CH2A122J060AA
		0.85 ± 0.15	± 10%		C2012CH2E122K085AA	
			± 5%		C2012CH2E122J085AA	
	3216	0.85 ± 0.15	± 10%	C3216CH2J122K085AA		
1.5 nF	2012	0.60 ± 0.15	± 10%			C2012CH2A152K060AA
			± 5%			C2012CH2A152J060AA



Capacitance Range Table

Class 1 (Temperature Compensating)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
1.5 nF	2012	0.85 ± 0.15	± 10%		C2012CH2E152K085AA	
			± 5%		C2012CH2E152J085AA	
	3216	1.15 ± 0.15	± 10%	C3216CH2J152K115AA		
			± 5%	C3216CH2J152J115AA		
1.8 nF	2012	0.85 ± 0.15	± 10%			C2012CH2A182K085AA
			± 5%			C2012CH2A182J085AA
		1.25 ± 0.20	± 10%		C2012CH2E182K125AA	
			± 5%		C2012CH2E182J125AA	
	3216	1.15 ± 0.15	± 10%	C3216CH2J182K115AA		
			± 5%	C3216CH2J182J115AA		
2.2 nF	2012	0.85 ± 0.15	± 10%			C2012CH2A222K085AA
			± 5%			C2012CH2A222J085AA
		1.25 ± 0.20	± 10%		C2012CH2E222K125AA	
			± 5%		C2012CH2E222J125AA	
	3216	1.15 ± 0.15	± 10%	C3216CH2J222K115AA		
			± 5%	C3216CH2J222J115AA		
2.7 nF	2012	1.25 ± 0.20	± 10%		C2012CH2E272K125AA	C2012CH2A272K125AA
			± 5%		C2012CH2E272J125AA	C2012CH2A272J125AA
	3216	1.60 ± 0.20	± 10%	C3216CH2J272K160AA		
			± 5%	C3216CH2J272J160AA		
3.3 nF	2012	1.25 ± 0.20	± 10%			C2012CH2A332K125AA
			± 5%			C2012CH2A332J125AA
		0.85 ± 0.15	± 10%		C3216CH2E332K085AA	
			± 5%		C3216CH2E332J085AA	
	3216	1.60 ± 0.20	± 10%	C3216CH2J332K160AA		
			± 5%	C3216CH2J332J160AA		
3.9 nF	2012	1.25 ± 0.20	± 10%			C2012CH2A392K125AA
			± 5%			C2012CH2A392J125AA
		0.60 ± 0.15	± 10%			C3216CH2A392K060AA
			± 5%			C3216CH2A392J060AA
	3216	0.85 ± 0.15	± 10%	C3216CH2J392K085AA		
			± 5%	C3216CH2J392J085AA		
		1.15 ± 0.15	± 10%		C3216CH2E392K115AA	
			± 5%		C3216CH2E392J115AA	
	3225	1.25 ± 0.20	± 10%	C3225CH2J392K125AA		
			± 5%	C3225CH2J392J125AA		
4.7 nF	2012	1.25 ± 0.20	± 10%			C2012CH2A472K125AA
			± 5%			C2012CH2A472J125AA
		0.85 ± 0.15	± 10%	C3216CH2J472K085AA		C3216CH2A472K085AA
			± 5%	C3216CH2J472J085AA		C3216CH2A472J085AA
	3216	1.15 ± 0.15	± 10%		C3216CH2E472K115AA	
			± 5%		C3216CH2E472J115AA	
		1.60 ± 0.20	± 10%	C3225CH2J472K160AA		
			± 5%	C3225CH2J472J160AA		
5.6 nF	3216	0.85 ± 0.15	± 10%			C3216CH2A562K085AA
			± 5%			C3216CH2A562J085AA
		1.15 ± 0.15	± 10%	C3216CH2J562K115AA	C3216CH2E562K115AA	
			± 5%	C3216CH2J562J115AA	C3216CH2E562J115AA	
	3225	1.60 ± 0.20	± 10%	C3225CH2J562K160AA		
			± 5%	C3225CH2J562J160AA		
6.8 nF	3216	1.15 ± 0.15	± 10%	C3216CH2J682K115AA		C3216CH2A682K115AA
			± 5%	C3216CH2J682J115AA		C3216CH2A682J115AA
		1.60 ± 0.20	± 10%		C3216CH2E682K160AA	
			± 5%		C3216CH2E682J160AA	
	3225	2.00 ± 0.20	± 10%	C3225CH2J682K200AA		
			± 5%	C3225CH2J682J200AA		
8.2 nF	3216	1.15 ± 0.15	± 10%			C3216CH2A822K115AA
			± 5%			C3216CH2A822J115AA
		1.60 ± 0.20	± 10%	C3216CH2J822K160AA	C3216CH2E822K160AA	
			± 5%	C3216CH2J822J160AA	C3216CH2E822J160AA	



Capacitance Range Table

Class 1 (Temperature Compensating)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
8.2 nF	3225	1.25 ± 0.20	± 10%	C3225CH2J822K125AA		
			± 5%	C3225CH2J822J125AA		
	4532	1.60 ± 0.20	± 10%	C4532CH2J822K160KA		
			± 5%	C4532CH2J822J160KA		
10 nF	3216	1.15 ± 0.15	± 10%			C3216CH2A103K115AA
			± 5%			C3216CH2A103J115AA
		1.60 ± 0.20	± 10%	C3216CH2J103K160AA		
			± 5%	C3216CH2J103J160AA		
	3225	1.25 ± 0.20	± 10%	C3225CH2J103K125AA		
			± 5%	C3225CH2J103J125AA		
		1.60 ± 0.20	± 10%		C3225CH2E103K160AA	
			± 5%		C3225CH2E103J160AA	
	4532	1.60 ± 0.20	± 10%	C4532CH2J103K160KA		
			± 5%	C4532CH2J103J160KA		
15 nF	3225	1.25 ± 0.20	± 10%			C3225CH2A153K125AA
			± 5%			C3225CH2A153J125AA
		1.60 ± 0.20	± 10%	C3225CH2J153K160AA		
			± 5%	C3225CH2J153J160AA		
	4532	2.00 ± 0.20	± 10%		C3225CH2E153K200AA	
			± 5%		C3225CH2E153J200AA	
		2.50 ± 0.30	± 10%	C4532CH2J153K250KA		
			± 5%	C4532CH2J153J250KA		
22 nF	3225	1.60 ± 0.20	± 10%			C3225CH2A223K160AA
			± 5%			C3225CH2A223J160AA
		2.30 ± 0.20	± 10%	C3225CH2J223K230AA		
			± 5%	C3225CH2J223J230AA		
	4532	1.60 ± 0.20	± 10%		C4532CH2E223K160KA	
			± 5%		C4532CH2E223J160KA	
		3.20 ± 0.30	± 10%	C4532CH2J223K320KA		
			± 5%	C4532CH2J223J320KA		
33 nF	3225	2.00 ± 0.20	± 10%			C3225CH2A333K200AA
			± 5%			C3225CH2A333J200AA
		2.50 ± 0.30	± 10%	C3225CH2J333K250AA		
			± 5%	C3225CH2J333J250AA		
	4532	2.00 ± 0.20	± 10%		C4532CH2E333K200KA	
			± 5%		C4532CH2E333J200KA	
47 nF	3225	2.30 ± 0.20	± 10%			C3225CH2A473K230AA
			± 5%			C3225CH2A473J230AA
	4532	3.20 ± 0.30	± 10%		C4532CH2E473K320KA	
			± 5%		C4532CH2E473J320KA	
68 nF	4532	2.50 ± 0.30	± 10%			C4532CH2A683K250KA
			± 5%			C4532CH2A683J250KA
100 nF	4532	3.20 ± 0.30	± 10%			C4532CH2A104K320KA
			± 5%			C4532CH2A104J320KA

Class 2 (Temperature Stable)

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

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



Capacitance Range Table

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
1.5 nF	3216	1.15 ± 0.10	± 10%	C3216JB2J152K115AA		
			± 20%	C3216JB2J152M115AA		
2.2 nF	1608	0.80 ± 0.10	± 10%			C1608JB2A222K080AA
			± 20%			C1608JB2A222M080AA
	2012	0.85 ± 0.15	± 10%		C2012JB2E222K085AA	C2012JB2A222K085AA
			± 20%		C2012JB2E222M085AA	C2012JB2A222M085AA
	3216	1.15 ± 0.10	± 10%	C3216JB2J222K115AA		
			± 20%	C3216JB2J222M115AA		
3.3 nF	1608	0.80 ± 0.10	± 10%			C1608JB2A332K080AA
			± 20%			C1608JB2A332M080AA
	2012	0.85 ± 0.15	± 10%		C2012JB2E332K085AA	C2012JB2A332K085AA
			± 20%		C2012JB2E332M085AA	C2012JB2A332M085AA
	3216	1.15 ± 0.10	± 10%	C3216JB2J332K115AA		
			± 20%	C3216JB2J332M115AA		
4.7 nF	1608	0.80 ± 0.10	± 10%			C1608JB2A472K080AA
			± 20%			C1608JB2A472M080AA
	2012	0.85 ± 0.15	± 10%		C2012JB2E472K085AA	C2012JB2A472K085AA
			± 20%		C2012JB2E472M085AA	C2012JB2A472M085AA
	3216	1.15 ± 0.10	± 10%	C3216JB2J472K115AA		
			± 20%	C3216JB2J472M115AA		
6.8 nF	1608	0.80 ± 0.10	± 10%			C1608JB2A682K080AA
			± 20%			C1608JB2A682M080AA
	2012	0.85 ± 0.15	± 10%			C2012JB2A682K085AA
			± 20%			C2012JB2A682M085AA
		1.25 ± 0.20	± 10%		C2012JB2E682K125AA	
			± 20%		C2012JB2E682M125AA	
	3216	1.15 ± 0.10	± 10%	C3216JB2J682K115AA		
			± 20%	C3216JB2J682M115AA		
10 nF	1608	0.80 ± 0.10	± 10%			C1608JB2A103K080AA
			± 20%			C1608JB2A103M080AA
	2012	0.85 ± 0.15	± 10%			C2012JB2A103K085AA
			± 20%			C2012JB2A103M085AA
		1.25 ± 0.20	± 10%		C2012JB2E103K125AA	
			± 20%		C2012JB2E103M125AA	
	3216	1.15 ± 0.10	± 10%	C3216JB2J103K115AA		
			± 20%	C3216JB2J103M115AA		
15 nF	1608	0.80 ± 0.10	± 10%			C1608JB2A153K080AA
			± 20%			C1608JB2A153M080AA
	2012	1.25 ± 0.20	± 10%		C2012JB2E153K125AA	C2012JB2A153K125AA
			± 20%		C2012JB2E153M125AA	C2012JB2A153M125AA
		1.15 ± 0.10	± 10%		C3216JB2E153K115AA	
			± 20%		C3216JB2E153M115AA	
	3216	1.30 ± 0.10	± 10%	C3216JB2J153K130AA		
			± 20%	C3216JB2J153M130AA		
22 nF	1608	0.80 ± 0.10	± 10%			C1608JB2A223K080AA
			± 20%			C1608JB2A223M080AA
	2012	1.25 ± 0.20	± 10%		C2012JB2E223K125AA	C2012JB2A223K125AA
			± 20%		C2012JB2E223M125AA	C2012JB2A223M125AA
		1.15 ± 0.10	± 10%		C3216JB2E223K115AA	
			± 20%		C3216JB2E223M115AA	
	3216	1.30 ± 0.10	± 10%	C3216JB2J223K130AA		
			± 20%	C3216JB2J223M130AA		
33 nF	2012	1.25 ± 0.20	± 10%			C2012JB2A333K125AA
			± 20%			C2012JB2A333M125AA
	3216	1.15 ± 0.10	± 10%			C3216JB2A333K115AA
			± 20%			C3216JB2A333M115AA
		1.60 ± 0.20	± 10%	C3216JB2J333K160AA	C3216JB2E333K160AA	
			± 20%	C3216JB2J333M160AA	C3216JB2E333M160AA	
47 nF	2012	1.25 ± 0.20	± 10%			C2012JB2A473K125AA
			± 20%			C2012JB2A473M125AA



Capacitance Range Table

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
47 nF	3216	1.15 ± 0.10	± 10%			C3216JB2A473K115AA
			± 20%			C3216JB2A473M115AA
		1.60 ± 0.20	± 10%		C3216JB2E473K160AA	
			± 20%		C3216JB2E473M160AA	
	3225	2.00 ± 0.20	± 10%	C3225JB2J473K200AA		
			± 20%	C3225JB2J473M200AA		
68 nF	2012	0.85 ± 0.15	± 10%			C2012JB2A683K085AA
			± 20%			C2012JB2A683M085AA
	3216	1.60 ± 0.20	± 10%		C3216JB2E683K160AA	C3216JB2A683K160AA
			± 20%		C3216JB2E683M160AA	C3216JB2A683M160AA
	3225	2.00 ± 0.20	± 10%	C3225JB2J683K200AA		
			± 20%	C3225JB2J683M200AA		
100 nF	4532	1.60 ± 0.20	± 10%	C4532JB2J683K160KA		
			± 20%	C4532JB2J683M160KA		
	2012	1.25 ± 0.20	± 10%			C2012JB2A104K125AA
			± 20%			C2012JB2A104M125AA
			± 10%		C3216JB2E104K160AA	C3216JB2A104K160AA
			± 20%		C3216JB2E104M160AA	C3216JB2A104M160AA
150 nF	3225	2.00 ± 0.20	± 10%		C3225JB2E104K200AA	
			± 20%		C3225JB2E104M200AA	
	4532	1.60 ± 0.20	± 10%		C4532JB2E154K160KA	
			± 20%		C4532JB2E154M160KA	
	5750	1.60 ± 0.20	± 10%	C5750JB2J154K160KA		
			± 20%	C5750JB2J154M160KA		
220 nF	3216	1.15 ± 0.10	± 10%			C3216JB2A224K115AA
			± 20%			C3216JB2A224M115AA
	3225	2.00 ± 0.20	± 10%		C3225JB2E224K200AA	
			± 20%		C3225JB2E224M200AA	
	4532	2.30 ± 0.20	± 10%		C4532JB2E224K230KA	
			± 20%		C4532JB2E224M230KA	
330 nF	5750	2.30 ± 0.20	± 10%	C5750JB2J224K230KA		
			± 20%	C5750JB2J224M230KA		
	3216	1.30 ± 0.10	± 10%			C3216JB2A334K130AA
			± 20%			C3216JB2A334M130AA
			± 10%			C3225JB2A334K200AA
			± 20%			C3225JB2A334M200AA
470 nF	4532	2.30 ± 0.20	± 10%		C4532JB2E334K230KA	
			± 20%		C4532JB2E334M230KA	
	5750	1.60 ± 0.20	± 10%		C5750JB2E334K160KA	
			± 20%		C5750JB2E334M160KA	
	3216	1.60 ± 0.20	± 10%			C3216JB2A474K160AA
			± 20%			C3216JB2A474M160AA
680 nF	3225	2.00 ± 0.20	± 10%			C3225JB2A474K200AA
			± 20%			C3225JB2A474M200AA
	4532	2.30 ± 0.20	± 10%		C4532JB2E474K230KA	
			± 20%		C4532JB2E474M230KA	
	5750	2.30 ± 0.20	± 10%		C5750JB2E474K230KA	
			± 20%		C5750JB2E474M230KA	
680 nF	3216	1.60 ± 0.20	± 10%			C3216JB2A684K160AA
			± 20%			C3216JB2A684M160AA
	3225	1.60 ± 0.20	± 10%			C3225JB2A684K160AA
			± 20%			C3225JB2A684M160AA
	4532	2.30 ± 0.20	± 10%			C4532JB2A684K230KA
			± 20%			C4532JB2A684M230KA



Capacitance Range Table

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
680 nF	5750	1.60 ± 0.20	± 10%			C5750JB2A684K160KA
			± 20%			C5750JB2A684M160KA
		2.30 ± 0.20	± 10%		C5750JB2E684K230KA	
			± 20%		C5750JB2E684M230KA	
1 µF	3216	1.60 ± 0.20	± 10%			C3216JB2A105K160AA
			± 20%			C3216JB2A105M160AA
	3225	2.00 ± 0.20	± 10%			C3225JB2A105K200AA
			± 20%			C3225JB2A105M200AA
	4532	2.30 ± 0.20	± 10%			C4532JB2A105K230KA
			± 20%			C4532JB2A105M230KA
	5750	2.30 ± 0.20	± 10%		C5750JB2E105K230KA	C5750JB2A105K230KA
			± 20%		C5750JB2E105M230KA	C5750JB2A105M230KA
1.5 µF	3225	2.00 ± 0.20	± 10%			C3225JB2A155K200AB
			± 20%			C3225JB2A155M200AB
	4532	2.30 ± 0.20	± 10%			C4532JB2A155K230KA
			± 20%			C4532JB2A155M230KA
	5750	2.30 ± 0.20	± 10%			C5750JB2A155K230KA
			± 20%			C5750JB2A155M230KA
2.2 µF	3225	2.30 ± 0.20	± 10%			C3225JB2A225K230AB
			± 20%			C3225JB2A225M230AB
	4532	2.30 ± 0.20	± 10%			C4532JB2A225K230KA
			± 20%			C4532JB2A225M230KA
	5750	2.30 ± 0.20	± 10%			C5750JB2A225K230KA
			± 20%			C5750JB2A225M230KA
3.3 µF	5750	2.30 ± 0.20	± 10%			C5750JB2A335K230KA
			± 20%			C5750JB2A335M230KA
4.7 µF	5750	2.30 ± 0.20	± 10%			C5750JB2A475K230KA
			± 20%			C5750JB2A475M230KA

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
1 nF	1608	0.80 ± 0.10	± 10%			C1608X5R2A102K080AA
			± 20%			C1608X5R2A102M080AA
	2012	0.85 ± 0.15	± 10%		C2012X5R2E102K085AA	
			± 20%		C2012X5R2E102M085AA	
	3216	1.15 ± 0.10	± 10%		C3216X5R2J102K115AA	
			± 20%		C3216X5R2J102M115AA	
1.5 nF	1608	0.80 ± 0.10	± 10%			C1608X5R2A152K080AA
			± 20%			C1608X5R2A152M080AA
	2012	0.85 ± 0.15	± 10%		C2012X5R2E152K085AA	
			± 20%		C2012X5R2E152M085AA	
	3216	1.15 ± 0.10	± 10%		C3216X5R2J152K115AA	
			± 20%		C3216X5R2J152M115AA	
2.2 nF	1608	0.80 ± 0.10	± 10%			C1608X5R2A222K080AA
			± 20%			C1608X5R2A222M080AA
	2012	0.85 ± 0.15	± 10%		C2012X5R2E222K085AA	
			± 20%		C2012X5R2E222M085AA	
	3216	1.15 ± 0.10	± 10%		C3216X5R2J222K115AA	
			± 20%		C3216X5R2J222M115AA	
3.3 nF	1608	0.80 ± 0.10	± 10%			C1608X5R2A332K080AA
			± 20%			C1608X5R2A332M080AA
	2012	0.85 ± 0.15	± 10%		C2012X5R2E332K085AA	
			± 20%		C2012X5R2E332M085AA	
	3216	1.15 ± 0.10	± 10%		C3216X5R2J332K115AA	
			± 20%		C3216X5R2J332M115AA	
4.7 nF	1608	0.80 ± 0.10	± 10%			C1608X5R2A472K080AA
			± 20%			C1608X5R2A472M080AA



Capacitance Range Table

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
4.7 nF	2012	0.85 ± 0.15	± 10%	C2012X5R2E472K085AA		
			± 20%	C2012X5R2E472M085AA		
	3216	1.15 ± 0.10	± 10%	C3216X5R2J472K115AA		
			± 20%	C3216X5R2J472M115AA		
6.8 nF	1608	0.80 ± 0.10	± 10%	C1608X5R2A682K080AA		
			± 20%	C1608X5R2A682M080AA		
	2012	1.25 ± 0.20	± 10%	C2012X5R2E682K125AA		
			± 20%	C2012X5R2E682M125AA		
	3216	1.15 ± 0.10	± 10%	C3216X5R2J682K115AA		
			± 20%	C3216X5R2J682M115AA		
10 nF	1608	0.80 ± 0.10	± 10%	C1608X5R2A103K080AA		
			± 20%	C1608X5R2A103M080AA		
	2012	1.25 ± 0.20	± 10%	C2012X5R2E103K125AA		
			± 20%	C2012X5R2E103M125AA		
	3216	1.15 ± 0.10	± 10%	C3216X5R2J103K115AA		
			± 20%	C3216X5R2J103M115AA		
15 nF	1608	0.80 ± 0.10	± 10%	C1608X5R2A153K080AA		
			± 20%	C1608X5R2A153M080AA		
	2012	1.25 ± 0.20	± 10%	C2012X5R2E153K125AA		
			± 20%	C2012X5R2E153M125AA		
	3216	1.30 ± 0.10	± 10%	C3216X5R2J153K130AA		
			± 20%	C3216X5R2J153M130AA		
22 nF	1608	0.80 ± 0.10	± 10%	C1608X5R2A223K080AA		
			± 20%	C1608X5R2A223M080AA		
	2012	1.25 ± 0.20	± 10%	C2012X5R2E223K125AA		
			± 20%	C2012X5R2E223M125AA		
	3216	1.30 ± 0.10	± 10%	C3216X5R2J223K130AA		
			± 20%	C3216X5R2J223M130AA		
33 nF	2012	1.25 ± 0.20	± 10%	C2012X5R2A333K125AA		
			± 20%	C2012X5R2A333M125AA		
	3216	1.60 ± 0.20	± 10%	C3216X5R2J333K160AA	C3216X5R2E333K160AA	
			± 20%	C3216X5R2J333M160AA	C3216X5R2E333M160AA	
47 nF	2012	1.25 ± 0.20	± 10%	C2012X5R2A473K125AA		
			± 20%	C2012X5R2A473M125AA		
	3216	1.60 ± 0.20	± 10%	C3216X5R2E473K160AA		
			± 20%	C3216X5R2E473M160AA		
	3225	2.00 ± 0.20	± 10%	C3225X5R2J473K200AA		
			± 20%	C3225X5R2J473M200AA		
68 nF	2012	0.85 ± 0.15	± 10%	C2012X5R2A683K085AA		
			± 20%	C2012X5R2A683M085AA		
	3216	1.60 ± 0.20	± 10%	C3216X5R2E683K160AA		
			± 20%	C3216X5R2E683M160AA		
	3225	2.00 ± 0.20	± 10%	C3225X5R2J683K200AA		
			± 20%	C3225X5R2J683M200AA		
100 nF	2012	1.25 ± 0.20	± 10%	C2012X5R2A104K125AA		
			± 20%	C2012X5R2A104M125AA		
	3216	1.60 ± 0.20	± 10%	C3216X5R2E104K160AA		
			± 20%	C3216X5R2E104M160AA		
4532	2.30 ± 0.20	± 10%	C4532X5R2J104K230KA			
		± 20%	C4532X5R2J104M230KA			
150 nF	3216	1.60 ± 0.20	± 10%	C3216X5R2A154K160AA		
			± 20%	C3216X5R2A154M160AA		
	3225	2.00 ± 0.20	± 10%	C3225X5R2E154K200AA		
			± 20%	C3225X5R2E154M200AA		
	5750	1.60 ± 0.20	± 10%	C5750X5R2J154K160KA		
			± 20%	C5750X5R2J154M160KA		
220 nF	3216	1.15 ± 0.10	± 10%	C3216X5R2A224K115AA		
			± 20%	C3216X5R2A224M115AA		
	3225	2.00 ± 0.20	± 10%	C3225X5R2E224K200AA		
			± 20%	C3225X5R2E224M200AA		



Capacitance Range Table

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
220 nF	5750	2.30 ± 0.20	± 10%	C5750X5R2J224K230KA		
			± 20%	C5750X5R2J224M230KA		
330 nF	3216	1.30 ± 0.10	± 10%			C3216X5R2A334K130AA
			± 20%			C3216X5R2A334M130AA
	4532	2.30 ± 0.20	± 10%	C4532X5R2E334K230KA		
			± 20%	C4532X5R2E334M230KA		
470 nF	3216	1.60 ± 0.20	± 10%			C3216X5R2A474K160AA
			± 20%			C3216X5R2A474M160AA
	4532	2.30 ± 0.20	± 10%	C4532X5R2E474K230KA		
			± 20%	C4532X5R2E474M230KA		
680 nF	3216	1.60 ± 0.20	± 10%			C3216X5R2A684K160AA
			± 20%			C3216X5R2A684M160AA
	5750	2.30 ± 0.20	± 10%	C5750X5R2E684K230KA		
			± 20%	C5750X5R2E684M230KA		
1 µF	3216	1.60 ± 0.20	± 10%			C3216X5R2A105K160AA
			± 20%			C3216X5R2A105M160AA
	5750	2.30 ± 0.20	± 10%	C5750X5R2E105K230KA		
			± 20%	C5750X5R2E105M230KA		
1.5 µF	3225	2.00 ± 0.20	± 10%			C3225X5R2A155K200AB
			± 20%			C3225X5R2A155M200AB
2.2 µF	3225	2.30 ± 0.20	± 10%			C3225X5R2A225K230AB
			± 20%			C3225X5R2A225M230AB
3.3 µF	5750	2.30 ± 0.20	± 10%			C5750X5R2A335K230KA
			± 20%			C5750X5R2A335M230KA
4.7 µF	5750	2.30 ± 0.20	± 10%			C5750X5R2A475K230KA
			± 20%			C5750X5R2A475M230KA

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number	
				Rated Voltage Edc: 450V	
1 µF	5750	2.50 ± 0.30	± 10%	C5750X6S2W105K250KA	
			± 20%	C5750X6S2W105M250KA	
2.2 µF	5750	2.50 ± 0.30	± 10%	C5750X6S2W225K250KA	
			± 20%	C5750X6S2W225M250KA	

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
1 nF	1608	0.80 ± 0.10	± 10%			C1608X7R2A102K080AA
			± 20%			C1608X7R2A102M080AA
	2012	0.85 ± 0.15	± 10%		C2012X7R2E102K085AA	C2012X7R2A102K085AA
			± 20%		C2012X7R2E102M085AA	C2012X7R2A102M085AA
	3216	1.15 ± 0.15	± 10%	C3216X7R2J102K115AA		
			± 20%	C3216X7R2J102M115AA		
1.5 nF	1608	0.80 ± 0.10	± 10%			C1608X7R2A152K080AA
			± 20%			C1608X7R2A152M080AA
	2012	0.85 ± 0.15	± 10%		C2012X7R2E152K085AA	C2012X7R2A152K085AA
			± 20%		C2012X7R2E152M085AA	C2012X7R2A152M085AA
	3216	1.15 ± 0.15	± 10%	C3216X7R2J152K115AA		
			± 20%	C3216X7R2J152M115AA		
2.2 nF	1608	0.80 ± 0.10	± 10%			C1608X7R2A222K080AA
			± 20%			C1608X7R2A222M080AA
	2012	0.85 ± 0.15	± 10%		C2012X7R2E222K085AA	C2012X7R2A222K085AA
			± 20%		C2012X7R2E222M085AA	C2012X7R2A222M085AA
	3216	1.15 ± 0.15	± 10%	C3216X7R2J222K115AA		
			± 20%	C3216X7R2J222M115AA		



Capacitance Range Table

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
3.3 nF	1608	0.80 ± 0.10	± 10%			C1608X7R2A332K080AA
			± 20%			C1608X7R2A332M080AA
	2012	0.85 ± 0.15	± 10%		C2012X7R2E332K085AA	C2012X7R2A332K085AA
			± 20%		C2012X7R2E332M085AA	C2012X7R2A332M085AA
	3216	1.15 ± 0.15	± 10%	C3216X7R2J332K115AA		
			± 20%	C3216X7R2J332M115AA		
4.7 nF	1608	0.80 ± 0.10	± 10%			C1608X7R2A472K080AA
			± 20%			C1608X7R2A472M080AA
	2012	0.85 ± 0.15	± 10%		C2012X7R2E472K085AA	C2012X7R2A472K085AA
			± 20%		C2012X7R2E472M085AA	C2012X7R2A472M085AA
	3216	1.15 ± 0.15	± 10%	C3216X7R2J472K115AA		
			± 20%	C3216X7R2J472M115AA		
6.8 nF	1608	0.80 ± 0.10	± 10%			C1608X7R2A682K080AA
			± 20%			C1608X7R2A682M080AA
	2012	0.85 ± 0.15	± 10%			C2012X7R2A682K085AA
			± 20%			C2012X7R2A682M085AA
		1.25 ± 0.20	± 10%		C2012X7R2E682K125AA	
			± 20%		C2012X7R2E682M125AA	
	3216	1.15 ± 0.15	± 10%	C3216X7R2J682K115AA		
			± 20%	C3216X7R2J682M115AA		
10 nF	1608	0.80 ± 0.10	± 10%			C1608X7R2A103K080AA
			± 20%			C1608X7R2A103M080AA
	2012	0.85 ± 0.15	± 10%			C2012X7R2A103K085AA
			± 20%			C2012X7R2A103M085AA
		1.25 ± 0.20	± 10%		C2012X7R2E103K125AA	
			± 20%		C2012X7R2E103M125AA	
	3216	1.15 ± 0.15	± 10%	C3216X7R2J103K115AA		
			± 20%	C3216X7R2J103M115AA		
15 nF	1608	0.80 ± 0.10	± 10%			C1608X7R2A153K080AA
			± 20%			C1608X7R2A153M080AA
	2012	1.25 ± 0.20	± 10%		C2012X7R2E153K125AA	
			± 20%		C2012X7R2E153M125AA	
		1.15 ± 0.15	± 10%		C3216X7R2E153K115AA	
			± 20%		C3216X7R2E153M115AA	
	3216	1.30 ± 0.20	± 10%	C3216X7R2J153K130AA		
			± 20%	C3216X7R2J153M130AA		
22 nF	1608	0.80 ± 0.10	± 10%			C1608X7R2A223K080AA
			± 20%			C1608X7R2A223M080AA
	2012	1.25 ± 0.20	± 10%		C2012X7R2E223K125AA	C2012X7R2A223K125AA
			± 20%		C2012X7R2E223M125AA	C2012X7R2A223M125AA
		1.15 ± 0.15	± 10%		C3216X7R2E223K115AA	
			± 20%		C3216X7R2E223M115AA	
	3216	1.30 ± 0.20	± 10%	C3216X7R2J223K130AA		
			± 20%	C3216X7R2J223M130AA		
33 nF	2012	1.25 ± 0.20	± 10%			C2012X7R2A333K125AA
			± 20%			C2012X7R2A333M125AA
	3216	1.15 ± 0.15	± 10%			C3216X7R2A333K115AA
			± 20%			C3216X7R2A333M115AA
		1.60 ± 0.20	± 10%	C3216X7R2J333K160AA	C3216X7R2E333K160AA	
			± 20%	C3216X7R2J333M160AA	C3216X7R2E333M160AA	
47 nF	2012	1.25 ± 0.20	± 10%			C2012X7R2A473K125AA
			± 20%			C2012X7R2A473M125AA
	3216	1.15 ± 0.15	± 10%			C3216X7R2A473K115AA
			± 20%			C3216X7R2A473M115AA
		1.60 ± 0.20	± 10%		C3216X7R2E473K160AA	
			± 20%		C3216X7R2E473M160AA	
68 nF	2012	0.85 ± 0.15	± 10%			C2012X7R2A683K085AA
			± 20%			C2012X7R2A683M085AA



Capacitance Range Table

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
68 nF	3216	1.60 ± 0.20	± 10%		C3216X7R2E683K160AA	C3216X7R2A683K160AA
			± 20%		C3216X7R2E683M160AA	C3216X7R2A683M160AA
	3225	2.00 ± 0.20	± 10%	C3225X7R2J683K200AA		
			± 20%	C3225X7R2J683M200AA		
	4532	1.60 ± 0.20	± 10%	C4532X7R2J683K160KA		
			± 20%	C4532X7R2J683M160KA		
100 nF	2012	1.25 ± 0.20	± 10%			C2012X7R2A104K125AA
			± 20%			C2012X7R2A104M125AA
	3216	1.60 ± 0.20	± 10%		C3216X7R2E104K160AA	C3216X7R2A104K160AA
			± 20%		C3216X7R2E104M160AA	C3216X7R2A104M160AA
	3225	2.00 ± 0.20	± 10%		C3225X7R2E104K200AA	
			± 20%		C3225X7R2E104M200AA	
	4532	2.30 ± 0.20	± 10%	C4532X7R2J104K230KA		
			± 20%	C4532X7R2J104M230KA		
150 nF	3216	1.60 ± 0.20	± 10%			C3216X7R2A154K160AA
			± 20%			C3216X7R2A154M160AA
	3225	2.00 ± 0.20	± 10%		C3225X7R2E154K200AA	
			± 20%		C3225X7R2E154M200AA	
	4532	1.60 ± 0.20	± 10%		C4532X7R2E154K160KA	
			± 20%		C4532X7R2E154M160KA	
	5750	1.60 ± 0.20	± 10%	C5750X7R2J154K160KA		
			± 20%	C5750X7R2J154M160KA		
220 nF	3216	1.15 ± 0.15	± 10%			C3216X7R2A224K115AA
			± 20%			C3216X7R2A224M115AA
	3225	2.00 ± 0.20	± 10%		C3225X7R2E224K200AA	
			± 20%		C3225X7R2E224M200AA	
	4532	2.30 ± 0.20	± 10%		C4532X7R2E224K230KA	
			± 20%		C4532X7R2E224M230KA	
	5750	2.30 ± 0.20	± 10%	C5750X7R2J224K230KA		
			± 20%	C5750X7R2J224M230KA		
330 nF	3216	1.30 ± 0.20	± 10%			C3216X7R2A334K130AA
			± 20%			C3216X7R2A334M130AA
	3225	2.00 ± 0.20	± 10%			C3225X7R2A334K200AA
			± 20%			C3225X7R2A334M200AA
	4532	2.30 ± 0.20	± 10%		C4532X7R2E334K230KA	
			± 20%		C4532X7R2E334M230KA	
	5750	1.60 ± 0.20	± 10%		C5750X7R2E334K160KA	
			± 20%		C5750X7R2E334M160KA	
470 nF	3216	1.60 ± 0.20	± 10%			C3216X7R2A474K160AA
			± 20%			C3216X7R2A474M160AA
	3225	2.00 ± 0.20	± 10%			C3225X7R2A474K200AA
			± 20%			C3225X7R2A474M200AA
	4532	2.30 ± 0.20	± 10%		C4532X7R2E474K230KA	
			± 20%		C4532X7R2E474M230KA	
	5750	2.30 ± 0.20	± 10%		C5750X7R2E474K230KA	
			± 20%		C5750X7R2E474M230KA	
680 nF	3216	1.60 ± 0.20	± 10%			C3216X7R2A684K160AA
			± 20%			C3216X7R2A684M160AA
	3225	1.60 ± 0.20	± 10%			C3225X7R2A684K160AA
			± 20%			C3225X7R2A684M160AA
	4532	2.30 ± 0.20	± 10%			C4532X7R2A684K230KA
			± 20%			C4532X7R2A684M230KA
	5750	1.60 ± 0.20	± 10%			C5750X7R2A684K160KA
			± 20%			C5750X7R2A684M160KA
1 µF	3216	1.60 ± 0.20	± 10%			C3216X7R2A105K160AA
			± 20%			C3216X7R2A105M160AA
	3225	2.00 ± 0.20	± 10%			C3225X7R2A105K200AA
			± 20%			C3225X7R2A105M200AA
	4532	2.30 ± 0.20	± 10%			C4532X7R2A105K230KA
			± 20%			C4532X7R2A105M230KA



Capacitance Range Table

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
1 µF	4532	2.30 ± 0.20	± 10%			C4532X7R2A105K230KA
			± 20%			C4532X7R2A105M230KA
	5750	2.30 ± 0.20	± 10%		C5750X7R2E105K230KA	C5750X7R2A105K230KA
			± 20%		C5750X7R2E105M230KA	C5750X7R2A105M230KA
1.5 µF	3225	2.00 ± 0.20	± 10%			C3225X7R2A155K200AB
			± 20%			C3225X7R2A155M200AB
	4532	2.30 ± 0.20	± 10%			C4532X7R2A155K230KA
			± 20%			C4532X7R2A155M230KA
	5750	2.30 ± 0.20	± 10%			C5750X7R2A155K230KA
			± 20%			C5750X7R2A155M230KA
2.2 µF	3225	2.30 ± 0.20	± 10%			C3225X7R2A225K230AB
			± 20%			C3225X7R2A225M230AB
	4532	2.30 ± 0.20	± 10%			C4532X7R2A225K230KA
			± 20%			C4532X7R2A225M230KA
	5750	2.30 ± 0.20	± 10%			C5750X7R2A225K230KA
			± 20%			C5750X7R2A225M230KA
3.3 µF	5750	2.30 ± 0.20	± 10%			C5750X7R2A335K230KA
			± 20%			C5750X7R2A335M230KA
4.7 µF	5750	2.30 ± 0.20	± 10%			C5750X7R2A475K230KA
			± 20%			C5750X7R2A475M230KA

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
1 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A102K050BB
			± 20%			C1005X7S2A102M050BB
1.5 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A152K050BB
			± 20%			C1005X7S2A152M050BB
2.2 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A222K050BB
			± 20%			C1005X7S2A222M050BB
3.3 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A332K050BB
			± 20%			C1005X7S2A332M050BB
4.7 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A472K050BB
			± 20%			C1005X7S2A472M050BB
6.8 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A682K050BB
			± 20%			C1005X7S2A682M050BB
10 nF	1005	0.50 ± 0.05	± 10%			C1005X7S2A103K050BB
			± 20%			C1005X7S2A103M050BB
33 nF	1608	0.80 ± 0.10	± 10%			C1608X7S2A333K080AB
			± 20%			C1608X7S2A333M080AB
47 nF	1608	0.80 ± 0.10	± 10%			C1608X7S2A473K080AB
			± 20%			C1608X7S2A473M080AB
68 nF	1608	0.80 ± 0.10	± 10%			C1608X7S2A683K080AB
			± 20%			C1608X7S2A683M080AB
100 nF	1608	0.80 ± 0.10	± 10%			C1608X7S2A104K080AB
			± 20%			C1608X7S2A104M080AB
150 nF	2012	0.85 ± 0.15	± 10%			C2012X7S2A154K085AB
			± 20%			C2012X7S2A154M085AB
220 nF	2012	0.85 ± 0.15	± 10%			C2012X7S2A224K085AB
			± 20%			C2012X7S2A224M085AB
330 nF	2012	1.25 ± 0.20	± 10%			C2012X7S2A334K125AB
			± 20%			C2012X7S2A334M125AB
470 nF	2012	1.25 ± 0.20	± 10%			C2012X7S2A474K125AB
			± 20%			C2012X7S2A474M125AB
680 nF	2012	1.25 ± 0.20	± 10%			C2012X7S2A684K125AB
			± 20%			C2012X7S2A684M125AB
1 µF	2012	1.25 ± 0.20	± 10%			C2012X7S2A105K125AB
			± 20%			C2012X7S2A105M125AB



Capacitance Range Table

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number		
				Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V
1.5 µF	3216	1.60 ± 0.20	± 10%			C3216X7S2A155K160AB
			± 20%			C3216X7S2A155M160AB
2.2 µF	3216	1.60 ± 0.20	± 10%			C3216X7S2A225K160AB
			± 20%			C3216X7S2A225M160AB
3.3 µF	3216	1.60 ± 0.20	± 20%			C3216X7S2A335M160AB
			± 10%			C3225X7S2A335K200AB
	3225	2.00 ± 0.20	± 20%			C3225X7S2A335M200AB
			± 10%			C4532X7S2A335K200KB
	4532	2.00 ± 0.20	± 20%			C4532X7S2A335M200KB
			± 10%			C3225X7S2A475K200AB
4.7 µF	3225	2.00 ± 0.20	± 20%			C3225X7S2A475M200AB
			± 10%			C4532X7S2A475K230KB
	4532	2.30 ± 0.20	± 20%			C4532X7S2A475M230KB
			± 10%			C5750X7S2A685K200KB
6.8 µF	5750	2.00 ± 0.20	± 20%			C5750X7S2A685M200KB
			± 10%			C5750X7S2A106K230KB
10 µF	5750	2.30 ± 0.20	± 20%			C5750X7S2A106M230KB
			± 10%			C5750X7S2A156M250KB

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number			
				Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 350V	Rated Voltage Edc: 250V
10 nF	2012	0.85 ± 0.15	± 10%		C2012X7T2W103K085AA	C2012X7T2V103K085AA	
			± 20%		C2012X7T2W103M085AA	C2012X7T2V103M085AA	
	3216	0.85 ± 0.10	± 10%	C3216X7T2J103K085AC			
			± 20%	C3216X7T2J103M085AC			
15 nF	2012	0.85 ± 0.15	± 10%		C2012X7T2W153K085AA	C2012X7T2V153K085AA	
			± 20%		C2012X7T2W153M085AA	C2012X7T2V153M085AA	
	3216	0.85 ± 0.10	± 10%	C3216X7T2J153K085AC			
			± 20%	C3216X7T2J153M085AC			
22 nF	2012	1.25 ± 0.20	± 10%		C2012X7T2W223K125AA	C2012X7T2V223K125AA	
			± 20%		C2012X7T2W223M125AA	C2012X7T2V223M125AA	
	3216	1.15 ± 0.10	± 10%	C3216X7T2J223K115AC			
			± 20%	C3216X7T2J223M115AC			
33 nF	2012	1.25 ± 0.20	± 10%		C2012X7T2W333K125AA	C2012X7T2V333K125AA	C2012X7T2E333K125AA
			± 20%		C2012X7T2W333M125AA	C2012X7T2V333M125AA	C2012X7T2E333M125AA
	3216	1.15 ± 0.10	± 10%	C3216X7T2J333K115AC			
			± 20%	C3216X7T2J333M115AC			
47 nF	2012	1.25 ± 0.20	± 10%		C2012X7T2W473K125AA	C2012X7T2V473K125AA	C2012X7T2E473K125AA
			± 20%		C2012X7T2W473M125AA	C2012X7T2V473M125AA	C2012X7T2E473M125AA
	3216	1.60 ± 0.20	± 10%	C3216X7T2J473K160AC			
			± 20%	C3216X7T2J473M160AC			
68 nF	2012	1.25 ± 0.20	± 10%				C2012X7T2E683K125AA
			± 20%				C2012X7T2E683M125AA
	3216	1.30 ± 0.10	± 10%		C3216X7T2W683K130AA	C3216X7T2V683K130AA	
			± 20%		C3216X7T2W683M130AA	C3216X7T2V683M130AA	
100 nF	2012	1.25 ± 0.20	± 10%				C2012X7T2E104K125AA
			± 20%				C2012X7T2E104M125AA
	3216	1.60 ± 0.20	± 10%		C3216X7T2W104K160AA	C3216X7T2V104K160AA	
			± 20%		C3216X7T2W104M160AA	C3216X7T2V104M160AA	
	3225	1.60 ± 0.20	± 10%	C3225X7T2J104K160AC			
			± 20%	C3225X7T2J104M160AC			
150 nF	3216	1.30 ± 0.10	± 10%				C3216X7T2E154K130AA
			± 20%				C3216X7T2E154M130AA
	3225	2.00 ± 0.20	± 10%	C3225X7T2J154K200AC			
			± 20%	C3225X7T2J154M200AC			
	4532	1.60 ± 0.20	± 10%	C4532X7T2J154K160KC			
			± 20%	C4532X7T2J154M160KC			



Capacitance Range Table

Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number			
				Rated Voltage Edc: 630V	Rated Voltage Edc: 450V	Rated Voltage Edc: 350V	Rated Voltage Edc: 250V
220 nF	3216	1.60 ± 0.20	± 10%				C3216X7T2E224K160AA
			± 20%				C3216X7T2E224M160AA
	3225	2.00 ± 0.20	± 10%		C3225X7T2W224K200AA		
			± 20%		C3225X7T2W224M200AA		
	4532	2.00 ± 0.20	± 10%	C4532X7T2J224K200KC			
			± 20%	C4532X7T2J224M200KC			
300 nF	4532	2.00 ± 0.20	± 10%	C4532X7T2J304K200KA			
			± 20%	C4532X7T2J304M200KA			
330 nF	3225	2.00 ± 0.20	± 10%				C3225X7T2E334K200AA
			± 20%				C3225X7T2E334M200AA
	4532	1.60 ± 0.20	± 10%		C4532X7T2W334K160KA		
			± 20%		C4532X7T2W334M160KA		
	5750	2.00 ± 0.20	± 10%	C5750X7T2J334K200KC			
			± 20%	C5750X7T2J334M200KC			
470 nF	4532	2.30 ± 0.20	± 10%		C4532X7T2W474K230KA		
			± 20%		C4532X7T2W474M230KA		
	5750	2.50 ± 0.30	± 10%	C5750X7T2J474K250KC			
			± 20%	C5750X7T2J474M250KC			
680 nF	4532	1.60 ± 0.20	± 10%				C4532X7T2E684K160KA
			± 20%				C4532X7T2E684M160KA
	5750	2.00 ± 0.20	± 10%		C5750X7T2W684K200KA		
			± 20%		C5750X7T2W684M200KA		
1 µF	4532	2.50 ± 0.30	± 10%				C4532X7T2E105K250KA
			± 20%				C4532X7T2E105M250KA
	5750	2.50 ± 0.30	± 10%		C5750X7T2W105K250KA		
			± 20%		C5750X7T2W105M250KA		
1.5 µF	5750	2.00 ± 0.20	± 10%				C5750X7T2E155K200KA
			± 20%				C5750X7T2E155M200KA
2.2 µF	5750	2.50 ± 0.30	± 10%				C5750X7T2E225K250KA
			± 20%				C5750X7T2E225M250KA



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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