001-01 / 20020221 / e42144_c2012

Ceramic Capacitors

For Mid Voltage **SMD**

C Series

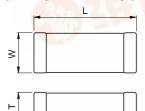
FEATURES

- The unique design structure for mid voltage enables a compact size with high voltage resistance.
- Rated voltage Edc: 100, 250 and 630V.
- C3225, C4532 and C5750 types are specific to reflow soldering.

APPLICATIONS

Snapper circuits for switching power supply, ringer circuits for telephone and modem, or other general high voltage circuits.

SHAPES AND DIMENSIONS



			Dimensions in mm
Туре	L	W	nESU.
C1608	1.6±0.1	0.8±0.1	0.8±0.1
C2012	2.0±0.2	1.25±0.2	0.6±0.1
			0.85±0.15
111	7		1.25±0.2
C3216	3.2±0.2	1.6±0.2	0.6±0.1
			0.85±0.15
			1.15±0.15
			1.3±0.2
			1.6±0.2
C3225	3.2 ± 0.4	2.5±0.3	1.25±0.2
			1.6±0.2
		110	2.0±0.2
C4532	4.5±0.4	3.2±0.4	1.6±0.2
			2.0±0.2
			2.3±0.2
			2.5±0.3
1000			3.2±0.4
C5750	5.7±0.4	5.0±0.4	1.6±0.2
			2.3±0.2

PRODUCT IDENTIFICATION

C 2012 JB 2E 102 K \square (1) (2) (3) (4) (5) (6) (7)

(1) Series name

(2) Dimensions

1.6×0.8mm
2.0×1.25mm
3.2×1.6mm
3.2×2.5mm
4.5×3.2mm
5.7×5.0mm

(3) Capacitance temperature characteristics Class 1 (Temperature compensation)

Temperature characteristics	Capacitance change	Temperature range	
COG	0±30ppm/°C	–55 to +125°C	

Class 2 (Temperature stable and general purpose)

Temperature characteristics	Capacitance change	Temperature range	
X7R	±15%	-55 to +125°C	

(4) Rated voltage Edc

2A	100V	7 and 40
2E	250V	
2J	630V	

(5) Nominal capacitance

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.

102	1000pF	
333	33000pF	W.
474	470000pF	

(U) Capac	Starice tolerance	
J	±5%	
K	±10%	
M	+20%	

(7) Packaging style

Т	Taping (reel)
В	Bulk



For Mid Voltage SMD

C Series

C1608 (EIA:CC0603) TYPE CAPACITANCE RANGES: CLASS 1 (TEMPERATURE COMPENSATION) TEMPERATURE CHARACTERISTICS: C0G(0±30ppm/°C)

RATED VOLTAGE Edc: 250V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
400	±5%	0.8±0.1	C1608C0G2E101J
100	±10%	0.8±0.1	C1608C0G2E101K
100	±5%	0.8±0.1	C1608C0G2E121J
120	±10%	0.8±0.1	C1608C0G2E121K
450	±5%	0.8±0.1	C1608C0G2E151J
150	±10%	0.8±0.1	C1608C0G2E151K
400	±5%	0.8±0.1	C1608C0G2E181J
180	±10%	0.8±0.1	C1608C0G2E181K
000	±5%	0.8±0.1	C1608C0G2E221J
220	±10%	0.8±0.1	C1608C0G2E221K
070	±5%	0.8±0.1	C1608C0G2E271J
270	±10%	0.8±0.1	C1608C0G2E271K
	±5%	0.8±0.1	C1608C0G2E331J
330	±10%	0.8±0.1	C1608C0G2E331K
	±5%	0.8±0.1	C1608C0G2E391J
390	±10%	0.8±0.1	C1608C0G2E391K
	±5%	0.8±0.1	C1608C0G2E471J
470	±10%	0.8±0.1	C1608C0G2E471K
	±5%	0.8±0.1	C1608C0G2E561J
560	±10%	0.8±0.1	C1608C0G2E561K
	±5%	0.8±0.1	C1608C0G2E681J
680	±10%	0.8±0.1	C1608C0G2E681K

RATED VOLTAGE Edc: 100V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
100	±5%	0.8±0.1	C1608C0G2A101J
	±10%	0.8±0.1	C1608C0G2A101K
120	±5%	0.8±0.1	C1608C0G2A121J
120	±10%	0.8±0.1	C1608C0G2A121K
150	±5%	0.8±0.1	C1608C0G2A151J
150	±10%	0.8±0.1	C1608C0G2A151K
180	±5%	0.8±0.1	C1608C0G2A181J
160	±10%	0.8±0.1	C1608C0G2A181K
220	±5%	0.8±0.1	C1608C0G2A221J
220	±10%	0.8±0.1	C1608C0G2A221K
270	±5%	0.8±0.1	C1608C0G2A271J
270	±10%	0.8±0.1	C1608C0G2A271K
330	±5%	0.8±0.1	C1608C0G2A331J
330	±10%	0.8±0.1	C1608C0G2A331K
200	±5%	0.8±0.1	C1608C0G2A391J
390	±10%	0.8±0.1	C1608C0G2A391K
470	±5%	0.8±0.1	C1608C0G2A471J
470	±10%	0.8±0.1	C1608C0G2A471K
560	±5%	0.8±0.1	C1608C0G2A561J
200	±10%	0.8±0.1	C1608C0G2A561K
680	±5%	0.8±0.1	C1608C0G2A681J
	±10%	0.8±0.1	C1608C0G2A681K
1000	±5%	0.8±0.1	C1608C0G2A102J
1000	±10%	0.8±0.1	C1608C0G2A102K
1200	±5%	0.8±0.1	C1608C0G2A122J
1200	±10%	0.8±0.1	C1608C0G2A122K

CAPACITANCE RANGES: CLASS 2

TEMPERATURE CHARACTERISTICS: X7R(±15%)

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
1000	±10%	0.8±0.1	C1608X7R2A102K
1000	±20%	0.8±0.1	C1608X7R2A102M
4500	±10%	0.8±0.1	C1608X7R2A152K
1500	±20%	0.8±0.1	C1608X7R2A152M
2200	±10%	0.8±0.1	C1608X7R2A222K
	±20%	0.8±0.1	C1608X7R2A222M
0000	±10%	0.8±0.1	C1608X7R2A332K
3300	±20%	0.8±0.1	C1608X7R2A332M
4700	±10%	0.8±0.1	C1608X7R2A472K
4700	±20%	0.8±0.1	C1608X7R2A472M
6000	±10%	0.8±0.1	C1608X7R2A682K
6800	±20%	0.8±0.1	C1608X7R2A682M
10000	±10%	0.8±0.1	C1608X7R2A103K
10000	±20%	0.8±0.1	C1608X7R2A103M





^{*} M tolerance is standard for Mid Voltage X7R capacitors.

For more information about products with other capacitance or other data, please contact us.

For Mid Voltage SMD

C Series

C2012 (EIA:CC0805) TYPE CAPACITANCE RANGES:

CLASS 1 (TEMPERATURE COMPENSATION)
TEMPERATURE CHARACTERISTICS: C0G(0±30ppm/°C)

RATED VOLTAGE Edc: 250V

Capacitance		Thickness	
(pF)	Tolerance	(mm)	Part No.
820	±5%	0.6±0.1	C2012C0G2E821J
020	±10%	0.6±0.1	C2012C0G2E821K
1000	±5%	0.8±0.1	C2012C0G2E102J
1000	±10%	0.8±0.1	C2012C0G2E102K
4000	±5%	0.8±0.1	C2012C0G2E122J
1200	±10%	0.8±0.1	C2012C0G2E122K
1500	±5%	0.8±0.1	C2012C0G2E152J
1300	±10%	0.8±0.1	C2012C0G2E152K
1800	±5%	1.25±0.2	C2012C0G2E182J
1800	±10%	1.25±0.2	C2012C0G2E182K
2200	±5%	1.25±0.2	C2012C0G2E222J
	±10%	1.25±0.2	C2012C0G2E222K
2700	±5%	1.25±0.2	C2012C0G2E272J
	±10%	1.25±0.2	C2012C0G2E272K

RATED VOLTAGE Edc: 100V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
1000	±5%	0.6±0.1	C2012C0G2A102J
1000	±10%	0.6±0.1	C2012C0G2A102K
1200	±5%	0.6±0.1	C2012C0G2A122J
1200	±10%	0.6±0.1	C2012C0G2A122K
1500	±5%	0.6±0.1	C2012C0G2A152J
1500	±10%	0.6±0.1	C2012C0G2A152K
1000	±5%	0.8±0.1	C2012C0G2A182J
1800	±10%	0.8±0.1	C2012C0G2A182K
2200	±5%	0.8±0.1	C2012C0G2A222J
2200	±10%	0.8±0.1	C2012C0G2A222K
2700	±5%	1.25±0.2	C2012C0G2A272J
2700	±10%	1.25±0.2	C2012C0G2A272K
2200	±5%	1.25±0.2	C2012C0G2A332K
3300	±10%	1.25±0.2	C2012C0G2A332M
3900	±5%	1.25±0.2	C2012C0G2A392K
3900	±10%	1.25±0.2	C2012C0G2A392M
4700	±5%	1.25±0.2	C2012C0G2A472K
4700	±10%	1.25±0.2	C2012C0G2A472M

CAPACITANCE RANGES: CLASS 2

TEMPERATURE CHARACTERISTICS: X7R(±15%)

RATED VOLTAGE Edc:250V

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Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
1000	±10%	0.85±0.15	C2012X7R2E102K
1000	±20%	0.85±0.15	C2012X7R2E102M
1500	±10%	0.85±0.15	C2012X7R2E152K
1500	±20%	0.85±0.15	C2012X7R2E152M
2200	±10%	0.85±0.15	C2012X7R2E222K
2200	±20%	0.85±0.15	C2012X7R2E222M
2200	±10%	0.85±0.15	C2012X7R2E332K
3300	±20%	0.85±0.15	C2012X7R2E332M
4700	±10%	0.85±0.15	C2012X7R2E472K
4700	±20%	0.85±0.15	C2012X7R2E472M
0000	±10%	1.25±0.2	C2012X7R2E682K
6800	±20%	1.25±0.2	C2012X7R2E682M
10000	±10%	1.25±0.2	C2012X7R2E103K
10000	±20%	1.25±0.2	C2012X7R2E103M
45000	±10%	1.25±0.2	C2012X7R2E153K
15000	±20%	1.25±0.2	C2012X7R2E153M
22222	±10%	1.25±0.2	C2012X7R2E223K
22000	±20%	1.25±0.2	C2012X7R2E223M

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
	±10%	0.85±0.15	C2012X7R2A102K
1000	±20%	0.85±0.15	C2012X7R2A102M
1500	±10%	0.85±0.15	C2012X7R2A152K
1500	±20%	0.85±0.15	C2012X7R2A152M
2200	±10%	0.85±0.15	C2012X7R2A222K
2200	±20%	0.85±0.15	C2012X7R2A222M
3300	±10%	0.85±0.15	C2012X7R2A332K
3300	±20%	0.85±0.15	C2012X7R2A332M
4700	±10%	0.85±0.15	C2012X7R2A472K
4700	±20%	0.85±0.15	C2012X7R2A472M
6800	±10%	0.85±0.15	C2012X7R2A682K
0000	±20%	0.85±0.15	C2012X7R2A682M
10000	±10%	0.85±0.15	C2012X7R2A103K
10000	±20%	0.85±0.15	C2012X7R2A103M
15000	±10%	1.25±0.2	C2012X7R2A153K
15000	±20%	1.25±0.2	C2012X7R2A153M
22000	±10%	1.25±0.2	C2012X7R2A223K
22000	±20%	1.25±0.2	C2012X7R2A223M
33000	±10%	1.25±0.2	C2012X7R2A333K
33000	±20%	1.25±0.2	C2012X7R2A333M
47000	±10%	1.25±0.2	C2012X7R2A473K
47000	±20%	1.25±0.2	C2012X7R2A473M





^{*} M tolerance is standard for Mid Voltage X7R capacitors.

For more information about products with other capacitance or other data, please contact us.

For Mid Voltage SMD

C Series

C3216 (EIA:CC1206) TYPE CAPACITANCE RANGES:

CLASS 1 (TEMPERATURE COMPENSATION)
TEMPERATURE CHARACTERISTICS: C0G(0±30ppm/°C)

RATED VOLTAGE Edc: 630V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
100	±5%	0.6±0.1	C3216C0G2J101J
	±10%	0.6±0.1	C3216C0G2J101K
400	±5%	0.6±0.1	C3216C0G2J121J
120	±10%	0.6±0.1	C3216C0G2J121K
150	±5%	0.6±0.1	C3216C0G2J151J
150	±10%	0.6±0.1	C3216C0G2J151K
180	±5%	0.6±0.1	C3216C0G2J181J
160	±10%	0.6±0.1	C3216C0G2J181K
220	±5%	0.6±0.1	C3216C0G2J221J
220	±10%	0.6±0.1	C3216C0G2J221K
270	±5%	0.6±0.1	C3216C0G2J271J
270	±10%	0.6±0.1	C3216C0G2J271K
220	±5%	0.6±0.1	C3216C0G2J331J
330	±10%	0.6±0.1	C3216C0G2J331K
200	±5%	0.6±0.1	C3216C0G2J391J
390	±10%	0.6±0.1	C3216C0G2J391K
470	±5%	0.85±0.15	C3216C0G2J471J
470	±10%	0.85±0.15	C3216C0G2J471K
500	±5%	0.85±0.15	C3216C0G2J561J
560	±10%	0.85±0.15	C3216C0G2J561K
000	±5%	0.85±0.15	C3216C0G2J681J
680	±10%	0.85±0.15	C3216C0G2J681K
000	±5%	0.85±0.15	C3216C0G2J821J
820	±10%	0.85±0.15	C3216C0G2J821K
4000	±5%	0.85±0.15	C3216C0G2J102J
1000	±10%	0.85±0.15	C3216C0G2J102K
4000	±5%	0.85±0.15	C3216C0G2J122J
1200	±10%	0.85±0.15	C3216C0G2J122K
4500	±5%	1.15±0.15	C3216C0G2J152J
1500	±10%	1.15±0.15	C3216C0G2J152K
4000	±5%	1.15±0.15	C3216C0G2J182J
1800	±10%	1.15±0.15	C3216C0G2J182K
0000	±5%	1.15±0.15	C3216C0G2J222J
2200	±10%	1.15±0.15	C3216C0G2J222K
0700	±5%	1.6±0.2	C3216C0G2J272J
2700	±10%	1.6±0.2	C3216C0G2J272K
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3300	±5%	1.6±0.2	C3216C0G2J332J

RATED VOLTAGE Edc: 250V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
2000	±5%	0.85±0.15	C3216C0G2E332J
3300	±10%	0.85±0.15	C3216C0G2E332K
2000	±5%	1.15±0.15	C3216C0G2E392J
3900	±10%	1.15±0.15	C3216C0G2E392K
4700	±5%	1.15±0.15	C3216C0G2E472J
4700	±10%	1.15±0.15	C3216C0G2E472K
F600	±5%	1.15±0.15	C3216C0G2E562J
5600	±10%	1.15±0.15	C3216C0G2E562K
6900	±5%	1.6±0.2	C3216C0G2E682J
6800	±10%	1.6±0.2	C3216C0G2E682K
9200	±5%	1.6±0.2	C3216C0G2E822J
8200	±10%	1.6±0.2	C3216C0G2E822K

RATED VOLTAGE Edc: 100V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
3900	±5%	0.6±0.1	C3216C0G2A392J
3900	±10%	0.6±0.1	C3216C0G2A392K
4700	±5%	0.85±0.15	C3216C0G2A472J
4700	±10%	0.85±0.15	C3216C0G2A472K
E600	±5%	0.85±0.15	C3216C0G2A562J
5600	±10%	0.85±0.15	C3216C0G2A562K
0000	±5%	1.15±0.15	C3216C0G2A682J
6800	±10%	1.15±0.15	C3216C0G2A682K
0000	±5%	1.15±0.15	C3216C0G2A822J
8200	±10%	1.15±0.15	C3216C0G2A822K
10000	±5%	1.15±0.15	C3216C0G2A103J
10000	±10%	1.15±0.15	C3216C0G2A103K

CAPACITANCE RANGES: CLASS 2

TEMPERATURE CHARACTERISTICS: X7R(±15%)

RATED VOLTAGE Edc: 630V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
1000	±10%	1.15±0.15	C3216X7R2J102K
1000	±20%	1.15±0.15	C3216X7R2J102M
1500	±10%	1.15±0.15	C3216X7R2J152K
1500	±20%	1.15±0.15	C3216X7R2J152M
2222	±10%	1.15±0.15	C3216X7R2J222K
2200	±20%	1.15±0.15	C3216X7R2J222M
2200	±10%	1.15±0.15	C3216X7R2J332K
3300	±20%	1.15±0.15	C3216X7R2J332M
4700	±10%	1.15±0.15	C3216X7R2J472K
4700	±20%	1.15±0.15	C3216X7R2J472M
0000	±10%	1.15±0.15	C3216X7R2J682K
6800	±20%	1.15±0.15	C3216X7R2J682M
10000	±10%	1.15±0.15	C3216X7R2J103K
10000	±20%	1.15±0.15	C3216X7R2J103M
15000	±10%	1.3±0.2	C3216X7R2J153K
15000	±20%	1.3±0.2	C3216X7R2J153M
22222	±10%	1.3±0.2	C3216X7R2J223K
22000	±20%	1.3±0.2	C3216X7R2J223M
22000	±10%	1.6±0.2	C3216X7R2J333K
33000	±20%	1.6±0.2	C3216X7R2J333M
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RATED VOLTAGE Edc: 250V

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Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
15000	±10%	1.15±0.15	C3216X7R2E153K
13000	±20%	1.15±0.15	C3216X7R2E153M
22000	±10%	1.15±0.15	C3216X7R2E223K
22000	±20%	1.15±0.15	C3216X7R2E223M
33000	±10%	1.6±0.2	C3216X7R2E333K
33000	±20%	1.6±0.2	C3216X7R2E333M
47000	±10%	1.6±0.2	C3216X7R2E473K
47000	±20%	1.6±0.2	C3216X7R2E473M
68000	±10%	1.6±0.2	C3216X7R2E683K
	±20%	1.6±0.2	C3216X7R2E683M
100000	±10%	1.6±0.2	C3216X7R2E104K
100000	±20%	1.6±0.2	C3216X7R2E104M

- \ast M tolerance is standard for Mid Voltage X7R capacitors.
- For more information about products with other capacitance or other data, please contact us.

Ceramic CapacitorsFor Mid Voltage

C Series

SMD

TEMPERATURE CHARACTERISTICS: X7R(±15%)

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
33000	±10%	1.15±0.15	C3216X7R2A333K
33000	±20%	1.15±0.15	C3216X7R2A333M
47000	±10%	1.15±0.15	C3216X7R2A473K
	±20%	1.15±0.15	C3216X7R2A473M
60000	±10%	1.6±0.2	C3216X7R2A683K
68000	±20%	1.6±0.2	C3216X7R2A683M
100000	±10%	1.6±0.2	C3216X7R2A104K
	±20%	1.6±0.2	C3216X7R2A104M
150000	±10%	1.6±0.2	C3216X7R2A154K
150000	±20%	1.6±0.2	C3216X7R2A154M





^{*} M tolerance is standard for Mid Voltage X7R capacitors.

For more information about products with other capacitance or other data, please contact us.

For Mid Voltage SMD

C Series

C3225 (EIA:CC1210) TYPE CAPACITANCE RANGES:

CLASS 1 (TEMPERATURE COMPENSATION) TEMPERATURE CHARACTERISTICS: C0G(0±30ppm/°C)

RATED VOLTAGE Edc: 630V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
2000	±5%	1.25±0.2	C3225C0G2J392J
3900	±10%	1.25±0.2	C3225C0G2J392K
4700	±5%	1.6±0.2	C3225C0G2J472J
4700	±10%	1.6±0.2	C3225C0G2J472K
5600	±5%	1.6±0.2	C3225C0G2J562J
	±10%	1.6±0.2	C3225C0G2J562K
6800	±5%	2.0±0.2	C3225C0G2J682J
	±10%	2.0±0.2	C3225C0G2J682K

RATED VOLTAGE Edc: 250V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
10000	±5%	1.6±0.2	C3225C0G2E103J
	±10%	1.6±0.2	C3225C0G2E103K
15000	±5%	2.0±0.2	C3225C0G2E153J
	±10%	2.0±0.2	C3225C0G2E153K

RATED VOLTAGE Edc: 100V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
15000	±5%	1.25±0.2	C3225C0G2A153J
	±10%	1.25±0.2	C3225C0G2A153K
22222	±5%	1.6±0.2	C3225C0G2A223J
22000	±10%	1.6±0.2	C3225C0G2A223K
33000	±5%	2.0±0.2	C3225C0G2A333J
	±10%	2.0±0.2	C3225C0G2A333K

CAPACITANCE RANGES: CLASS 2

TEMPERATURE CHARACTERISTICS: X7R(±15%)

RATED VOLTAGE Edc:630V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
47000	±10%	2.0±0.2	C3225X7R2J473K
	±20%	2.0±0.2	C3225X7R2J473M
68000	±10%	2.0±0.2	C3225X7R2J683K
	±20%	2.0±0.2	C3225X7R2J683M

RATED VOLTAGE Edc:250V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
100000	±10%	2.0±0.2	C3225X7R2E104K
	±20%	2.0±0.2	C3225X7R2E104M
150000	±10%	2.0±0.2	C3225X7R2E154K
	±20%	2.0±0.2	C3225X7R2E154M
220000	±10%	2.0±0.2	C3225X7R2E224K
	+20%	2 0+0 2	C3225X7R2F224M

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
330000	±10%	2.0±0.2	C3225X7R2A334K
	±20%	2.0±0.2	C3225X7R2A334M
470000	±10%	2.0±0.2	C3225X7R2A474K
	±20%	2.0±0.2	C3225X7R2A474M
-	±2070	2.0±0.2	OOZZO/(TIZZ/(HTHIVI





^{*} M tolerance is standard for Mid Voltage X7R capacitors.

For more information about products with other capacitance or other data, please contact us.

For Mid Voltage SMD

C Series

C4532 (EIA:CC1812) TYPE CAPACITANCE RANGES:

CLASS 1 (TEMPERATURE COMPENSATION)
TEMPERATURE CHARACTERISTICS: C0G(0±30ppm/°C)

RATED VOLTAGE Edc: 630V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
8200	±5%	1.6±0.2	C4532C0G2J822J
0200	±10%	1.6±0.2	C4532C0G2J822K
10000	±5%	1.6±0.2	C4532C0G2J103J
10000	±10%	1.6±0.2	C4532C0G2J103K
15000	±5%	2.5±0.3	C4532C0G2J153J
	±10%	2.5±0.3	C4532C0G2J153K
22000	±5%	3.2±0.3	C4532C0G2J223J
	±10%	3.2±0.3	C4532C0G2J223K

RATED VOLTAGE Edc: 250V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
22000	±5%	1.6±0.2	C4532C0G2E223J
22000	±10%	1.6±0.2	C4532C0G2E223K
33000	±5%	2.0±0.2	C4532C0G2E333J
33000	±10%	2.0±0.2	C4532C0G2E333K
47000	±5%	3.2±0.3	C4532C0G2E473J
47000	±10%	3.2±0.3	C4532C0G2E473K

RATED VOLTAGE Edc: 100V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
47000	±5%	2.0±0.2	C4532C0G2A473J
47000	±10%	2.0±0.2	C4532C0G2A473K
68000	±5%	2.5±0.3	C4532C0G2A683J
66000	±10%	2.5±0.3	C4532C0G2A683K
100000	±5%	3.2±0.4	C4532C0G2A104J
	±10%	3.2±0.4	C4532C0G2A104K

CAPACITANCE RANGES: CLASS 2

TEMPERATURE CHARACTERISTICS: X7R(±15%)

RATED VOLTAGE Edc:630V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
68000	±10%	1.6±0.2	C4532X7R2J683K
	±20%	1.6±0.2	C4532X7R2J683M
100000	±10%	2.3±0.2	C4532X7R2J104K
	±20%	2.3±0.2	C4532X7R2J104M

RATED VOLTAGE Edc:250V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
450000	±10%	1.6±0.2	C4532X7R2E154K
150000	±20%	1.6±0.2	C4532X7R2E154M
220000	±10%	2.3±0.2	C4532X7R2E224K
220000	±20%	2.3±0.2	C4532X7R2E224M
330000	±10%	2.3±0.2	C4532X7R2E334K
	±20%	2.3±0.2	C4532X7R2E334M
470000	±10%	2.3±0.2	C4532X7R2E474K
	±20%	2.3±0.2	C4532X7R2E474M

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
680000	±10%	2.3±0.2	C4532X7R2A684K
	±20%	2.3±0.2	C4532X7R2A684M
1000000	±10%	2.3±0.2	C4532X7R2A105K
[1µF]	±20%	2.3±0.2	C4532X7R2A105M





^{*} M tolerance is standard for Mid Voltage X7R capacitors.

For more information about products with other capacitance or other data, please contact us.

C Series

For Mid Voltage SMD

C5750 (EIA:CC2220) TYPE CAPACITANCE RANGES: CLASS 2

TEMPERATURE CHARACTERISTICS: X7R(±15%)

RATED VOLTAGE Edc:630V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
150000	±10%	1.6±0.2	C5750X7R2J154K
	±20%	1.6±0.2	C5750X7R2J154M
220000	±10%	2.3±0.2	C5750X7R2J224K
	+20%	23+02	C5750X7R2.I224M

RATED VOLTAGE Edc:250V

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
330000	±10%	1.6±0.2	C5750X7R2E334K
330000	±20%	1.6±0.2	C5750X7R2E334M
470000	±10%	2.3±0.2	C5750X7R2E474K
470000	±20%	2.3±0.2	C5750X7R2E474M
680000	±10%	2.3±0.2	C5750X7R2E684K
	±20%	2.3±0.2	C5750X7R2E684M
1000000	±10%	2.3±0.2	C5750X7R2E105K
[1µF]	±20%	2.3±0.2	C5750X7R2E105M

Capacitance (pF)	Tolerance	Thickness (mm)	Part No.
	±10%	1.6±0.2	C5750X7R2A684K
680000	±20%	1.6±0.2	C5750X7R2A684M
1000000	±10%	2.3±0.2	C5750X7R2A105K
[1µF]	±20%	2.3±0.2	C5750X7R2A105M
1500000	±10%	2.3±0.2	C5750X7R2A155K
[1.5µF]	±20%	2.3±0.2	C5750X7R2A155M
2200000	±10%	2.3±0.2	C5750X7R2A225K
[2.2µF]	±20%	2.3±0.2	C5750X7R2A225M





^{*} M tolerance is standard for Mid Voltage X7R capacitors.

For more information about products with other capacitance or other data, please contact us.