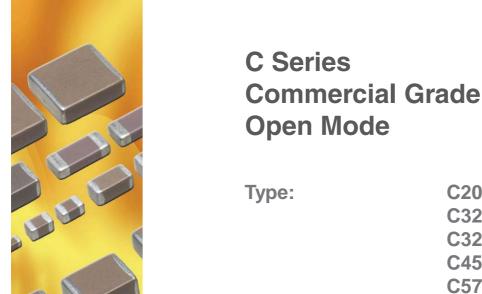


MULTILAYER CERAMIC CHIP CAPACITORS



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

Issue date: Dec 2014





REMINDERS

Please read before using this product

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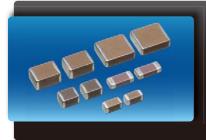
(Example)

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

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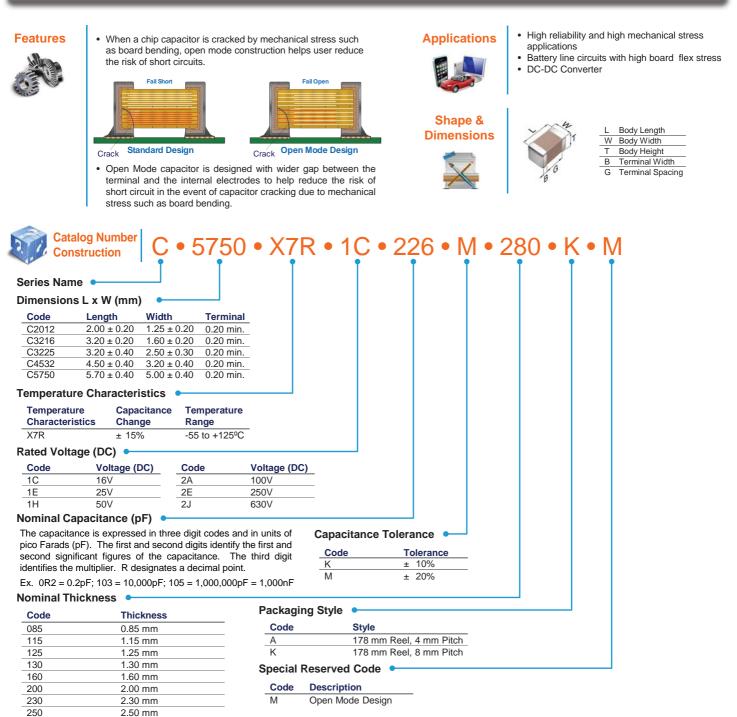
MULTILAYER CERAMIC CHIP CAPACITORS





C Series Open Mode

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



2 80 mm

280



MULTILAYER CERAMIC CHIP CAPACITORS

Capacitance Range Chart

EIA CC0805 [C2012]

Capacitance Range Chart

Temperature Characteristics: X7R (± 15%) Rated Voltage: 250V (2E), 100V (2A), 50V (1H)

Canacitanaa				X7R		
Capacitance (pF)	Code	Tolerance	2E (250V)	2A (100V)	1H (50V)	
1,000	102	K: ± 10%				
1,500	152					
2,200	222					
3,300	332					
4,700	472					
6,800	682					
10,000	103					Standard Thickness
15,000	153					0.85 mm
22,000	223					
100,000	104					1.25 mm



Capacitance Range Chart

Temperature Characteristics: X7R (± 15%) Rated Voltage: 630V (2J), 250V (2E), 100V (2A), 16V (1C)

0			X7R				
Capacitance (pF)	Code	Tolerance	2J (630V)	2E (250V)	2A (100V)	1C (16V)	
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						Standard Thickness
68,000	683						
100,000	104						1.15 mm
150,000	154						1.30 mm
1,000,000	105						
4,700,000	475						1.60 mm

EIA CC1206 [C3216]

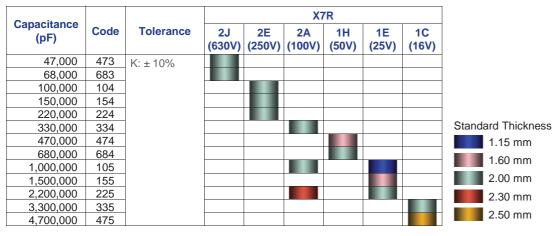


Capacitance Range Chart

EIA CC1210 [C3225]

Capacitance Range Chart

Temperature Characteristics: X7R (± 15%) Rated Voltage: 630V (2J), 250V (2E), 100V (2A), 50V (1H), 16V (1C)



Capacitance Range Chart

EIA CC1812 [C4532]

Capacitance Range Chart

Temperature Characteristics: X7R (± 15%) Rated Voltage: 630V (2J), 250V (2E), 100V (2A), 50V (1H), 25V (1E), 16V (1C)

0									
Capacitance (pF)	Code	Tolerance	2J (630V)	2E (250V)	2A (100V)	1H (50V)	1E (25V)	1C (16V)	
68,000	683	K: ± 10%							
100,000	104								
150,000	154								
220,000	224								
330,000	334								
470,000	474								
680,000	684								
1,000,000	105								Standard Thickness
1,500,000	155								
3,300,000	335								1.60 mm
4,700,000	475								2.00 mm
6,800,000	685								2.30 mm
10,000,000	106								2.30 mm

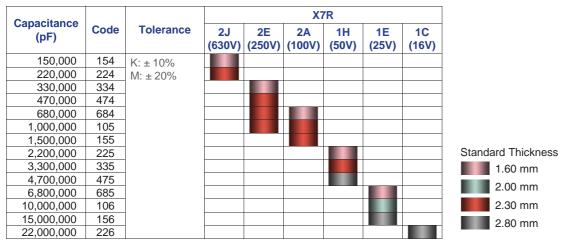


Capacitance Range Chart

EIA CC2220 [C5750]

Capacitance Range Chart

Temperature Characteristics: X7R (± 15%) Rated Voltage: 630V (2J), 250V (2E), 100V (2A), 50V (1H), 25V (1E), 16V (1C)







Class 2 (Temperature Stable)

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

Capacitance	Size	Thickness	Capacitance	Catalog Number			
Capacitance	SIZE	(mm)	Tolerance	Rated Voltage Edc: 630V	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V	Rated Voltage Edc: 50V
1 nF	2012	0.85 ± 0.15	± 10%		C2012X7R2E102K085AM	C2012X7R2A102K085AM	
	3216	1.15 ± 0.15	± 10%	C3216X7R2J102K115AM			
1.5 nF	2012	0.85 ± 0.15	± 10%		C2012X7R2E152K085AM	C2012X7R2A152K085AM	
1.0 11	3216	1.15 ± 0.15	± 10%	C3216X7R2J152K115AM			
2.2 nF	2012	0.85 ± 0.15	± 10%		C2012X7R2E222K085AM	C2012X7R2A222K085AM	
2.211	3216	1.15 ± 0.15	± 10%	C3216X7R2J222K115AM			
3.3 nF	2012	0.85 ± 0.15	± 10%		C2012X7R2E332K085AM	C2012X7R2A332K085AM	
0.0 11	3216	1.15 ± 0.15	± 10%	C3216X7R2J332K115AM			
4.7 nF	2012	0.85 ± 0.15	± 10%		C2012X7R2E472K085AM	C2012X7R2A472K085AM	
4.7 11	3216	1.15 ± 0.15	± 10%	C3216X7R2J472K115AM			
	2012 -	0.85 ± 0.15	± 10%			C2012X7R2A682K085AM	
6.8 nF	2012 -	1.25 ± 0.20	± 10%		C2012X7R2E682K125AM		
	3216	1.15 ± 0.15	± 10%	C3216X7R2J682K115AM			
	0010	0.85 ± 0.15	± 10%			C2012X7R2A103K085AM	
10 nF	2012 -	1.25 ± 0.20	± 10%		C2012X7R2E103K125AM		
	3216	1.15 ± 0.15	± 10%	C3216X7R2J103K115AM			
	2012	1.25 ± 0.20	± 10%		C2012X7R2E153K125AM	C2012X7R2A153K125AM	
15 nF	0010	1.15 ± 0.15	± 10%		C3216X7R2E153K115AM		
	3216 -	1.30 ± 0.20	± 10%	C3216X7R2J153K130AM			
	2012	1.25 ± 0.20	± 10%			C2012X7R2A223K125AM	
22 nF	0010	1.15 ± 0.15	± 10%		C3216X7R2E223K115AM		
	3216 -	1.30 ± 0.20	± 10%	C3216X7R2J223K130AM			
		1.15 ± 0.15	± 10%			C3216X7R2A333K115AM	
33 nF	3216 -	1.60 ± 0.20	± 10%	C3216X7R2J333K160AM	C3216X7R2E333K160AM		
		1.15 ± 0.15	± 10%			C3216X7R2A473K115AM	
47 nF	3216 -	1.60 ± 0.20	± 10%		C3216X7R2E473K160AM		
	3225	2.00 ± 0.20	± 10%	C3225X7R2J473K200AM			
	3216	1.60 ± 0.20	± 10%		C3216X7R2E683K160AM	C3216X7R2A683K160AM	
68 nF	3225	2.00 ± 0.20	± 10%	C3225X7R2J683K200AM			
	4532	1.60 ± 0.20	± 10%	C4532X7R2J683K160KM			
	2012	1.25 ± 0.20	± 10%				C2012X7R1H104K125A
	3216	1.60 ± 0.20	± 10%		C3216X7R2E104K160AM	C3216X7R2A104K160AM	
100 nF	3225	2.00 ± 0.20	± 10%		C3225X7R2E104K200AM		
	4532	2.30 ± 0.20	± 10%	C4532X7R2J104K230KM			
	3216	1.60 ± 0.20	± 10%			C3216X7R2A154K160AM	
	3225	2.00 ± 0.20	± 10%		C3225X7R2E154K200AM		
150 nF	4532	1.60 ± 0.20	± 10%		C4532X7R2E154K160KM		
	5750	1.60 ± 0.20	± 10%	C5750X7R2J154K160KM			
	3225	2.00 ± 0.20	± 10%		C3225X7R2E224K200AM		
220 nF	4532	2.30 ± 0.20	± 10%		C4532X7R2E224K230KM		
	5750	2.30 ± 0.20	± 10%	C5750X7R2J224K230KM			
	3225	2.00 ± 0.20	± 10%			C3225X7R2A334K200AM	
330 nF	4532	2.30 ± 0.20	± 10%		C4532X7R2E334K230KM		
	5750	1.60 ± 0.20	± 10%		C5750X7R2E334K160KM		
-	3225	1.60 ± 0.20	± 10%				C3225X7R1H474K160A
470 nF	4532	2.30 ± 0.20	± 10%		C4532X7R2E474K230KM		
	5750	2.30 ± 0.20	± 10%		C5750X7R2E474K230KM		
	3225	2.00 ± 0.20	± 10%				C3225X7R1H684K200A
	4532	2.30 ± 0.20	± 10%			C4532X7R2A684K230KM	2.5220.00000000000000000000000000000000
						5 .00E/(11E/00TILE00I/IM	
680 nF	5750 -	1.60 ± 0.20	± 10%			C5750X7R2A684K160KM	





Class 2 (Temperature Stable)

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

Canaaitanaa	0:=0	Thickness	Capacitance	Catalog Number			
Capacitance Size		(mm)	Tolerance	Rated Voltage Edc: 250V	Rated Voltage Edc: 100V	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V
	3216	1.60 ± 0.20	± 10%		C3216X7R2A105K160AM		
	3225 -	1.15 ± 0.15	± 10%				C3225X7R1E105K115AM
1 µF	3223 -	2.00 ± 0.20	± 10%		C3225X7R2A105K200AM		
	4532	1.60 ± 0.20	± 10%			C4532X7R1H105K160KM	
	5750	2.30 ± 0.20	± 10%	C5750X7R2E105K230KM	C5750X7R2A105K230KM		
	3225	1.60 ± 0.20	± 10%				C3225X7R1E155K160AM
1.5 μF	4532	2.30 ± 0.20	± 10%			C4532X7R1H155K230KM	
	5750	2.30 ± 0.20	± 10%		C5750X7R2A155K230KM		
	3225 -	2.00 ± 0.20	± 10%				C3225X7R1E225K200AM
2.2 µF	3223 -	2.30 ± 0.20	± 10%		C3225X7R2A225K230AM		
	5750	1.60 ± 0.20	± 10%			C5750X7R1H225K160KM	

Conscitores	Size	Thickness	Capacitance	Catalog Number			
Capacitance	Capacitance Size		Tolerance	Rated Voltage Edc: 100V	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	3225	2.00 ± 0.20	± 10%				C3225X7R1C335K200AM
3.3 µF	4532	1.60 ± 0.20	± 10%			C4532X7R1E335K160KM	
	5750	2.30 ± 0.20	± 10%		C5750X7R1H335K230KM		
	3216	1.60 ± 0.20	± 20%				C3216X7R1C475M160AM
4.7 µF	3225	2.50 ± 0.30	± 10%				C3225X7R1C475K250AM
4.7 µr	4532	2.00 ± 0.20	± 10%			C4532X7R1E475K200KM	
	5750	2.80 ± 0.30	± 10%		C5750X7R1H475K280KM		
6 9 UE	4532	2.00 ± 0.20	± 10%				C4532X7R1C685K200KM
6.8 µF	5750	1.60 ± 0.20	± 10%			C5750X7R1E685K160KM	
10 UE	4532	2.30 ± 0.20	± 10%				C4532X7R1C106K230KM
10 µF	5750	2.00 ± 0.20	± 10%			C5750X7R1E106K200KM	
15 µF	5750	2.80 ± 0.30	± 20%			C5750X7R1E156M280KM	
22 µF	5750	2.80 ± 0.30	± 20%				C5750X7R1C226M280KM

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C4532X7R1C106K230KN	1 C4532X7R1H155K230KM	M C4532X7R1H105K160KM	<u>C5750X7R1E156M280KM</u>
C2012X7R2E472K085AM	C2012X7R2A152K085AM	C2012X7R2A332K085AM	C3225X7R1E155K160AM
C3225X7R2A105K200AM	C5750X7R1E106K200KM	C3216X7R2A104K160AM	C3225X7R1E105K115AM
C3225X7R2E104K200AM	C4532X7R1E335K160KM	C2012X7R2E102K085AM	C3225X7R1H684K200AM
C5750X7R1C226M280KM	C2012X7R1H104K125AM	C2012X7R2E682K125AM	C2012X7R2A222K085AM
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C2012X7R2E332K085AM	C3225X7R2A334K200AM	C4532X7R1E475K200KM	C5750X7R1H225K160KM
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