

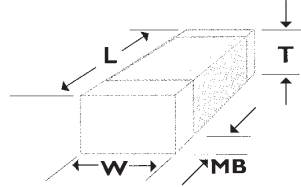


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“We Offer Quick Solutions to Noise Pollution”

Surface Mount Ceramic Chip Capacitors

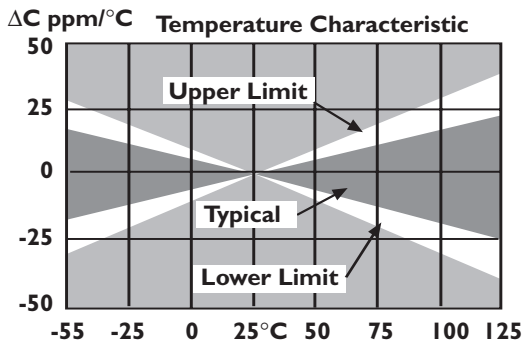
Dimensions and Characteristics



Inches (mm)

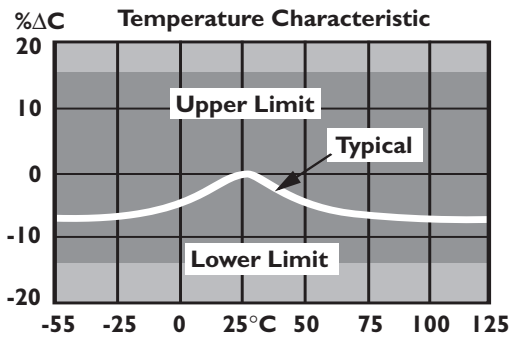
Size	0402	0603	0805	1206	1210	1812	1825	2225
Length (L)	.040(1.0)	.063(1.6)	.079(2.0)	.126(3.2)	.126(3.2)	.177(4.5)	.177(4.5)	.220(5.6)
Width (W)	.020(.5)	.032(.8)	.049(1.25)	.063(1.6)	.098(2.5)	.126(3.2)	.252(6.4)	.248(6.3)
Height (T)Max	.022(.55)	.035(.9)	.057(1.45)	.075(1.90)	.091(2.3)	.087(2.2)	.065(1.65)	.061(1.55)
MB Max.	.008(.2)	.014(.350)	.020(.500)	.020(.500)	.020(.500)	.024(.600)	.024(.600)	.024(.600)
L, W Tol.	±.002(.05)	±.006(.15)	±.008(.2)	±.008(.2)	±.008(.2)	±.012(.3)	±.016(.4)	±.016(.4)

COG



Size	0402	0603	0805	1206	1210	1812	1825	2225
Min Value	0R3	0R3	0R5	0R5	0R5	100	150	270
Voltage	Maximum Value							
16V	271	152	682	153	273	563	104	124
25V	221	122	562	123	223	563	104	124
50V	181	102	392	123	223	393	104	124
100V	181	102	392	103	183	273	683	823
200V	101	561	182	562	103	183	473	563
250V	560	331	152	392	822	153	393	473
300V	—	—	821	272	472	103	223	273
400V	—	—	821	182	472	103	223	273
500V	—	—	821	182	472	103	223	273

X7R



Size	0402	0603	0805	1206	1210	1812	1825	2225
Min Value	0R3	0R3	0R5	0R5	0R5	100	150	270
Voltage	Maximum Value							
16V	562	273	124	334	474	125	185	225
25V	472	223	104	274	474	105	155	185
50V	472	223	104	274	474	824	155	185
100V	472	223	683	184	334	684	125	155
200V	222	103	333	104	184	334	824	105
250V	152	682	273	683	124	224	684	824
300V	—	—	153	473	823	154	474	474
400V	—	—	123	273	563	104	334	394
500V	—	—	123	223	563	104	334	334

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AS 9100
 ISO 9001

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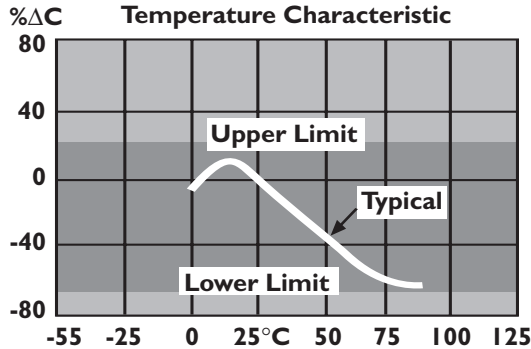
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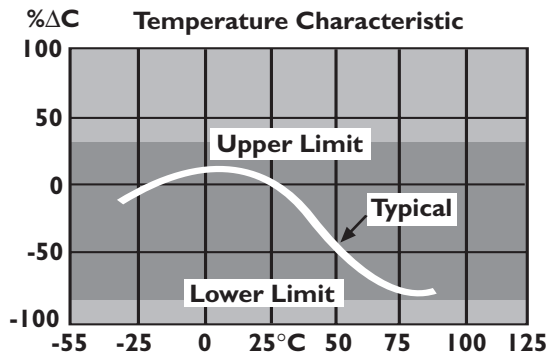
Dimensions and Characteristics

Z5U



Size	0402	0603	0805	1206	1210	1812	1825	2225
Min Value	121	121	471	681	681	332	103	103
Voltage	Maximum Value							
16V	563	334	125	225	475	106	226	226
25V	473	224	105	225	395	685	186	226
50V	333	154	684	185	335	565	156	186
100V	103	563	224	474	105	185	395	475
200V	682	153	563	154	334	564	155	185
250V	222	123	473	104	224	394	105	125

Y5V



Size	0402	0603	0805	1206	1210	1812	1825	2225
Min Value	121	121	471	681	681	332	103	103
Voltage	Maximum Value							
16V	393	184	824	185	395	685	125	186
25V	333	124	564	155	275	565	126	156
50V	223	823	394	125	225	475	106	126
100V	562	333	154	334	684	155	275	395
200V	182	682	393	104	224	474	105	155
250V	122	562	273	683	154	274	824	105

How To Order

MC 0402 Y5V 393 M 160 N T

Size

Dielectric

C= COG Z= Z5U
 X=X7R Y= Y5V

Capacitance

Value in Picofarads two significant figures followed by number of zeros 102= 1000 pF.

Tolerance

COG <10pF
 B=±.10pF C=±.25pF
 D=±.50pF
 COG >10pF
 F=±1.0% G=±2.0%
 J=±5.0%
 X7R
 J=±5% K=±10%
 M=±20%
 Z5U + Y5V
 K=±10% M=±20%
 Z=+80%, -20%
 P=+100%, -0%

Packaging

T= Tape and Reel
 B= Bulk

Termination

N= Nickel Barrier (STD)
 (Consult factory for other options)

Voltages

160 = 16V 201 = 200Volt
 250 = 25V 501 = 500 Volt
 500 = 50V
 101 = 100V



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