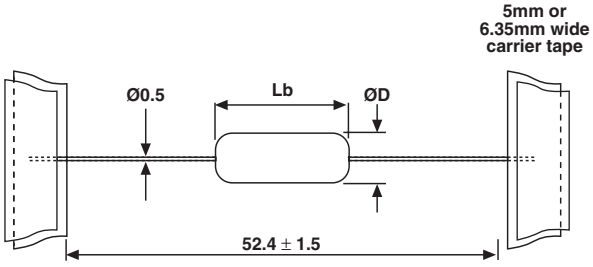
Dipped Axial Multilayer Ceramic Capacitors

DIMENSIONS

RoHS COMPLIANT



CAPACITOR DIMENSIONS AND WEIGHT			
SIZE	**Lb_{max} (1)**	**$ØD_{max}$ (1)**	**WEIGHT (g)**
15	3.8 (0.150)	2.5 (0.100)	≈ 0.14
20	5.0 (0.200)	3.0 (0.120)	≈ 0.15

Note

1. Dimensions between the parentheses are in inches

QUICK REFERENCE DATA						
DESCRIPTION	**VALUE**					
Capacitance range	10 to 5600 pF		100 pF to 1.0 µF		0.1 µF to 1.0 µF	
Rated DC voltage	50 V	100 V	50 V	100 V	50 V	100 V
Tolerance on capacitance	± 5 % / ± 10 %		± 10 % / ± 20 %		+ 80 / - 20 %	
Dielectric Code	C0G (NP0)		X7R		Y5V	

ORDERING INFORMATION

A	**103**	**K**	**15**	**X7R**	**F**	**5**	**TAA**
PRODUCT TYPE	CAPACITANCE CODE	CAP. TOLERANCE	SIZE CODE	TEMP. CHAR.	RATED VOLTAGE	LEAD DIA.	PACKAGING
A = Mono-Axial	Two significant digits followed by the number of zeros. For example: 473 = 47,000 pF	J = ± 5 % K = ± 10 % M = ± 20 % Z = + 80 / - 20 %	15 = 3.8 (0.15") max. 20 = 5.0 (0.20") max.	C0G X7R Y5V	F = 50 V_{DC} H = 100 V_{DC}	5 = 0.5mm (0.20")	TAA = T & R UAA = AMMO

Ordering Example: A-103-K-15-X7R-F-5-TAA

CAPACITANCE RANGE CHART
C0G (NP0) DIELECTRIC

SIZE		15		20	
RATED VOLTAGE		50	100	50	100
VALUE	CODE				
10 pF	100	■	■		
12 pF	120	■	■		
15 pF	150	■	■		
18 pF	180	■	■		
22 pF	220	■	■		
27 pF	270	■	■		
33 pF	330	■	■		
39 pF	390	■	■		
47 pF	470	■	■		
56 pF	560	■	■		
68 pF	680	■	■		
82 pF	820	■	■		
100 pF	101	■	■		
120 pF	121	■	■		
150 pF	151	■	■		
180 pF	181	■	■		
220 pF	221	■	■		
270 pF	271	■	■		
330 pF	331	■	■		
390 pF	391	■	■		
470 pF	471	■	■		
560 pF	561	■	■		
680 pF	681	■	■		
820 pF	821	■	■		
1000 pF	102	■			■
1200 pF	122	■			■
1500 pF	152	■			■
1800 pF	182	■			■
2200 pF	222	■			■
2700 pF	272			■	■
3300 pF	332			■	■
3900 pF	392			■	
4700 pF	472			■	
5600 pF	562			■	

Y5V DIELECTRIC

SIZE		15		20	
RATED VOLTAGE		50	100	50	100
VALUE	CODE				
0.01 µF	103	■	■		
0.015 µF	153	■	■		
0.022 µF	223	■	■		
0.033 µF	333	■	■		
0.047 µF	473	■	■		
0.068 µF	683	■	■		
0.10 µF	104	■	■		
0.15 µF	154	■			■
0.22 µF	224	■			■
0.33 µF	334	■			
0.47 µF	474			■	
0.68 µF	684			■	
1.0 µF	105			■	

X7R DIELECTRIC

SIZE		15		20	
RATED VOLTAGE		50	100	50	100
VALUE	CODE				
100 pF	101	■	■		
120 pF	121	■	■		
150 pF	151	■	■		
180 pF	181	■	■		
220 pF	221	■	■		
270 pF	271	■	■		
330 pF	331	■	■		
390 pF	391	■	■		
470 pF	471	■	■		
560 pF	561	■	■		
680 pF	681	■	■		
820 pF	821	■	■		
1000 pF	102	■	■		
1200 pF	122	■	■		
1500 pF	152	■	■		
1800 pF	182	■	■		
2200 pF	222	■	■		
2700 pF	272	■	■		
3300 pF	332	■	■		
3900 pF	392	■	■		
4700 pF	472	■	■		
5600 pF	562	■	■		
6800 pF	682	■	■		
8200 pF	822	■	■		
0.01 µF	103	■	■		
0.012 µF	123	■	■		
0.015 µF	153	■	■		
0.018 µF	183	■	■		
0.022 µF	223	■	■		
0.027 µF	273	■			■
0.033 µF	333	■			■
0.039 µF	393	■			■
0.047 µF	473	■			■
0.056 µF	563	■			■
0.068 µF	683	■			■
0.082 µF	823	■			■
0.10 µF	104	■			■
0.12 µF	124			■	
0.15 µF	154			■	
0.22 µF	224			■	
0.33 µF	334			■	
0.47 µF	474			■	
0.68 µF	684			■	
1.0 µF	105			■	

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