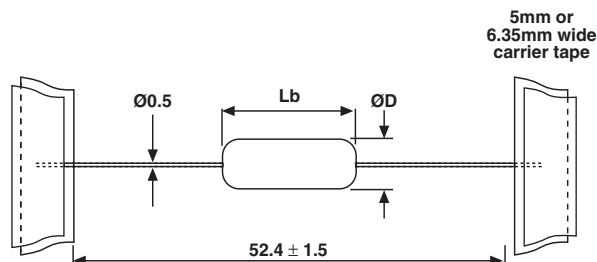


Dipped Axial Multilayer Ceramic Capacitors

DIMENSIONS



RoHS
COMPLIANT

CAPACITOR DIMENSIONS AND WEIGHT

SIZE	$Lb_{max}^{(1)}$	$\varnothing D_{max}^{(1)}$	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 μ F		0.1 μ F to 1.0 μ F	
Rated DC voltage	50 V	100 V	50 V	100 V	50 V	100 V
Tolerance on capacitance	$\pm 5\%$ / $\pm 10\%$		$\pm 10\%$ / $\pm 20\%$		+ 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 = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$ 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 μ F	103				
0.015 μ F	153				
0.022 μ F	223				
0.033 μ F	333				
0.047 μ F	473				
0.068 μ F	683				
0.10 μ F	104				
0.15 μ F	154				
0.22 μ F	224				
0.33 μ F	334				
0.47 μ F	474				
0.68 μ F	684				
1.0 μ F	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 μ F	103				
0.012 μ F	123				
0.015 μ F	153				
0.018 μ F	183				
0.022 μ F	223				
0.027 μ F	273				
0.033 μ F	333				
0.039 μ F	393				
0.047 μ F	473				
0.056 μ F	563				
0.068 μ F	683				
0.082 μ F	823				
0.10 μ F	104				
0.12 μ F	124				
0.15 μ F	154				
0.22 μ F	224				
0.33 μ F	334				
0.47 μ F	474				
0.68 μ F	684				
1.0 μ F	105				



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