AXIAL LEADED MULTILAYER CERAMIC CAPACITOR

AXIAL LEADED, EPOXY COATED MULTILAYER CERAMIC CAPACITORS

Description

Our Axial leaded, Epoxy Coated Multilayer Ceramic Capacitors are built by superior moisture and shock resistant epoxy coating. These capacitors are supplied in both bulk or taping and reel package for automatic insertion and sequencing with any axial leaded components.

HOW TO ORDER :

Part number are designed as :

SA 15 ZU 104 M T 50

Product Type:
SA = Mono Axial

Size Code:
See size chart for available size by value and voltage

Temperature Characteristic:
CG = NPO/COG
XR = X7R
ZU = Z5U
YV = Y5V

Capacitance (pf):
The first two digits are significant of capacitance.
The last digit is multiplier
0=*1 4=*10000
1=*10 5=*100000
2=*100 9=*0.1
3=*1000

Capacitance Tolerance:
C=+-0.25PF K=+-10%
D=+-0.5PF M=+-20%
G=+-2% Z=+80%,-20%
J =+-5% P=+100%,-0%

Working Voltage:
25 = 25V
50 = 50V
100 = 100V
200 = 200V

Packaging:
T = Tape & Reel
TA = Tape & AMMO Pack

AXIAL LEADED MULTILAYER CERAMIC CAPACITOR

CAPACITANCE RANGE OF MONO AXIAL

Spec.\\T.C.		NPO								
SIZE		A15			A20		A30		A40	
CAP \ WVDC		50	100	200	50	100	50	100	50	100
1 PF to 100	1 PF to 100									
120 pF	121									
150	151									
180	181									
220	221									
270	271									
330	331									
390	391									
470	471									
560	561									
680	681									
820	821									
1000	102									
1200	122									
1500	152									
1800	182									
2200	222									
2700	272									
3300	332									
3900	392									
4700	472									
5600	562									
6800	682									
8200	822									
0.01uF	103									
0.012	123									
0.015	153									
0.018	183									
0.022	223									
0.027	273									
0.033	333									
0.039	393									
0.047	473									
0.056	563									
0.068	683									
0.082	823									
0.10	104									
0.12	124									
0.15	154									
0.18	184									
0.22	224									
0.33	334									
0.47	474									
0.56	564									
0.68	684									
0.82	824									
1.00	105									
1.50	155									
2.20	225									

AXIAL LEADED MULTILAYER CERAMIC CAPACITOR

CAPACITANCE RANGE OF MONO AXIAL

Spec.\\T.C.		X7R								
SIZE		A15			A20		A30		A40	
CAP \ WVDC		50	100	200	50	100	50	100	50	100
82 pF	820									
100	101									
120	121									
150	151									
180	181									
220	221									
270	271									
330	331									
390	391									
470	471									
560	561									
680	681									
820	821									
1000	102									
1200	122									
1500	152									
1800	182									
2200	222									
2700	272									
3300	332									
3900	392									
4700	472									
5600	562									
6800	682									
8200	822									
0.01uF	103									
0.012	123									
0.015	153									
0.018	183									
0.022	223									
0.027	273									
0.033	333									
0.039	393									
0.047	473									
0.056	563									
0.068	683									
0.082	823									
0.10	104									
0.12	124									
0.15	154									
0.18	184									
0.22	224									
0.33	334									
0.47	474									
0.56	564									
0.68	684									
0.82	824									
1.00	105									
1.50	155									
2.20	225									

AXIAL LEADED MULTILAYER CERAMIC CAPACITOR

CAPACITANCE RANGE OF MONO AXIAL

Spec.\\T.C.		Z5U									Y5V	
SIZE		A15			A20		A30		A40		A15	A20
CAP \ WVDC		50	100	200	50	100	50	100	50	100	50	50
1 PF to 100	1 PF to 100											
120 pF	121											
150	151											
180	181											
220	221											
270	271											
330	331											
390	391											
470	471											
560	561											
680	681											
820	821											
1000	102											
1200	122											
1500	152											
1800	182											
2200	222											
2700	272											
3300	332											
3900	392											
4700	472											
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6800	682											
8200	822											
0.01uF	103											
0.012	123											
0.015	153											
0.018	183											
0.022	223											
0.027	273											
0.033	333											
0.039	393											
0.047	473											
0.056	563											
0.068	683											
0.082	823											
0.10	104											
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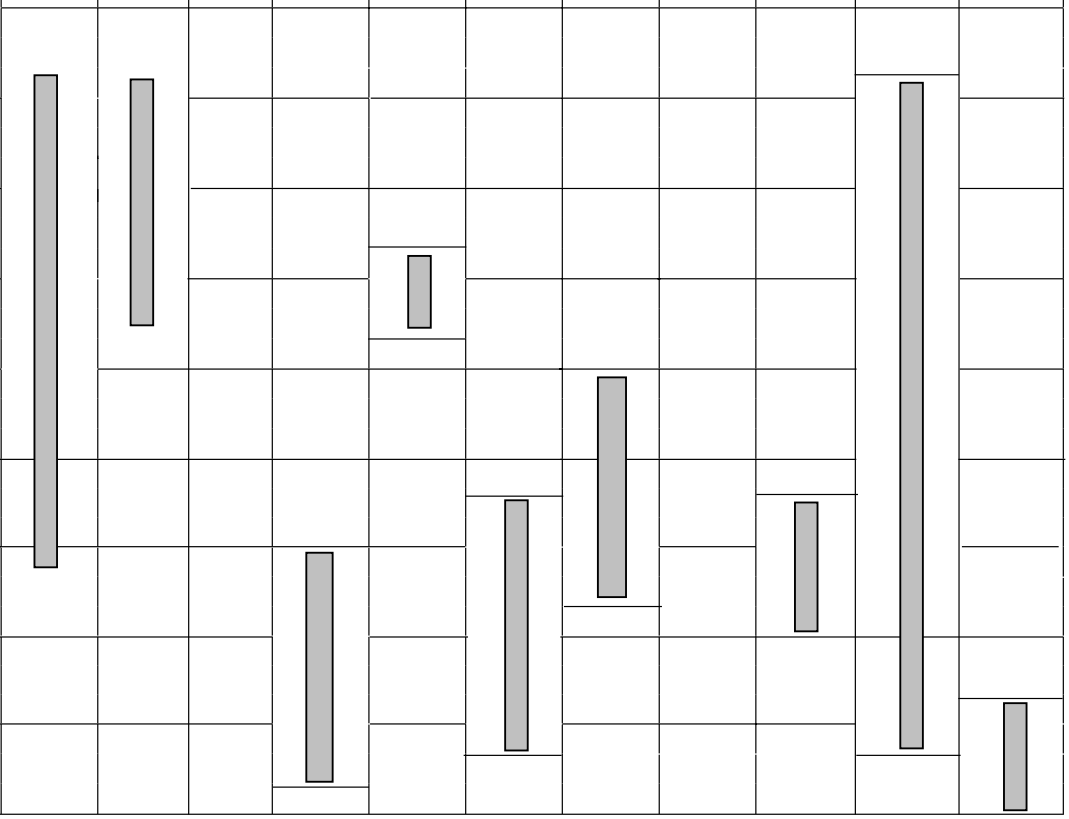
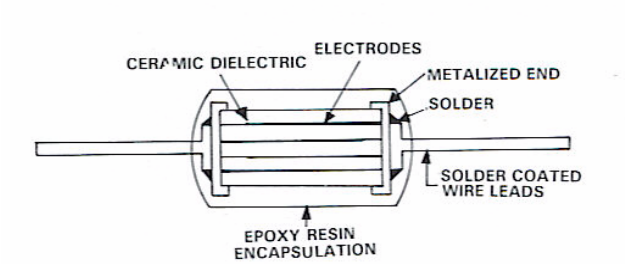
0.15	154											
0.18	184											
0.22	224											
0.33	334											
0.47	474											
0.56	564											
0.68	684											
0.82	824											
1.00	105											
1.50	155											
2.20	225											

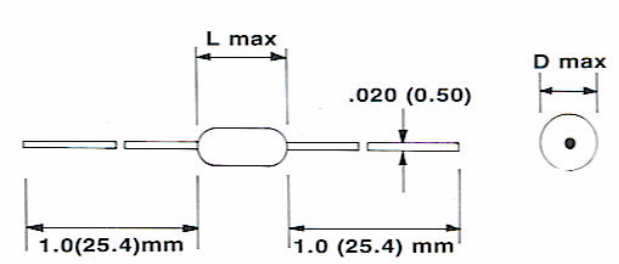


AXIAL LEADED MULTILAYER CERAMIC CAPACITOR

MONOLITHIC CONSTRUCTION



CASE SIZE



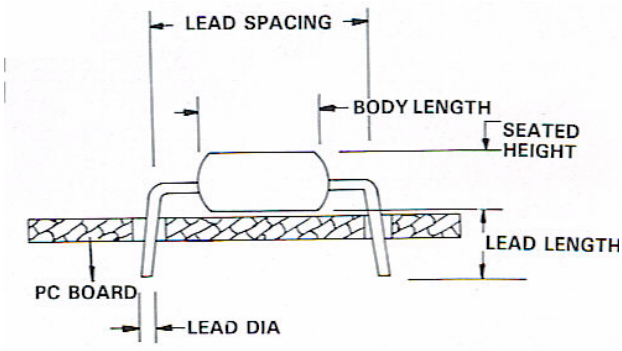
SIZE CODE and DIMENSIIONS: Units in inches (millineter)

SIZE CODE	L	D	LEAD DIA	LEAD LENGTH
A15	.150[3.81] Max.	.100[2.54] Max.	.020 [0.50]	1.00 [25.4]
A20	.200[5.08] Max.	.150[3.81] Max.	.020 [0.50]]	1.00 [25.4]
A30	.300[7.37] Max.	.150[3.81] Max.	.020 [0.50]]	1.00 [25.4]
A40	.400[10.16] Max.	.150[3.81] Max.	.020 [0.50]]	1.00 [25.4]

AXIAL FORMING TYPE:

Our axial-leaded capacitors can be supplied in forming type. Which can only be in bulk package. 1.000pcs per bag.

The dimensions are illustrated as the following:



LEAD SPACING	**TOL:+/- 0.031" [0.8mm]**
5=0.200" [5.08mm]	7=0.300" [7.62mm]
6=0.250" [6.36mm]	8=0.350" [8.90mm]

LEAD LENGTH	**TOL:+/- 0.031"[0.8mm]**
4=0.157" [4.0mm]	O=0.394" [10.0mm]
5=0.197" [5.0mm]	C=0.177" [4.50mm]
6=0.236" [6.0mm]	D=0.217" [6.50mm]
7=0.276" [7.0mm]	E=0.256" [6.50mm]
8=0.315" [8.0mm]	F=0.295" [7.50mm]
9=0.354" [9.0mm]	G=0.335" [8.50mm]

MARKING

- First line marked the Capacitance value.
- Second line marked the TOL. WVDC. & T.C.
- TOL : J=±5%, K=±10%, M=±20%, Z=+80/-20%.
  WVDC : 2=25V, 5=50V, A=100V, B=200V.
- T.C.: N=NPO[COG], X=X7R, Z=Z50.

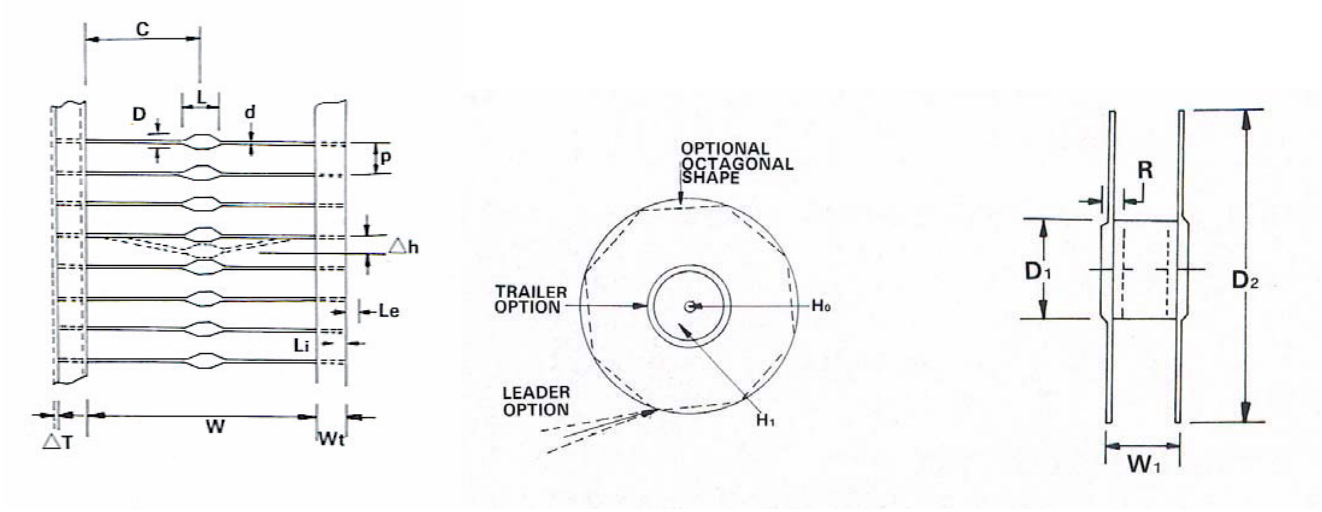
SIZE CODE	Capacitance	Tolerance	Rated. Voltage	Tenp. Char.
A15	√	-	-	-
A20	√	√	√	√
A30	√	√	√	√
A40	√	√	√	√

AXIAL LEADED MULTILAYER CERAMIC CAPACITOR

AXIAL TAPE & REEL:

Our axial-leaded capacitors can be supplied taped and reeled. A 12 inch leader of tape starts and ends each reel. A layer of 50/60lb.Kraft paper separates each layer of components and a layer of corrugated cardboard over the last layer protects the contents of the reel. Reels are to EIA standards [RS-296E Class. I. Level I]

DIMENSIIONS: Units in inches (millimeter)



Description	Symbol	Dimensions	Description	Symbol	Dimensions
Pitch of Component	**P**	0.200±.020[5.08±0.51]	Centered	**C**	±0.030[±0.76]
Cumulative Tolerance of P over 5 consecutive units		±0.0059[±0.15]	Core Diameter	**D_1**	1.3756-3.260[34.90-92.10]
Tape width	**Wt**	0.236±.039[6.0±1.0]	Reel Diameter	**D_2**	14 MAX[355.60]
Lead Wire Protrusion	**Le**	0.236±.039[6.0±1.0]	Core Width	**W_1**	2.750±0.060[69.85±1.52]
Lead Extension into Tape	**Li**	0.062MAX[0.8]	Recess Depth	**R**	0.374MIN[9.5]
Offset Between Tapes	**△T**	0.031 MAX[0.8]	Arbor Hole	**Ho**	0.510 - .608[15.5 – 18.0]
Width Between Tapes	**W**	2.06±.062[52.37±1.57]	Deflection from Nominal position	**△h**	0.047MAX [1.19]
Pilot Hole DIA	**H_1**	0.315[8.0]	Leader option	**L**	12MIN [304.8]

PACKAGING QUANTITY

SIZE CODE	Taping Type	
	Quantity per reel	Quantity per box
A15	10,000	5,000
A20	8,000	4,000
A30	5,000	5,000
A40	5,000	5,000