

AXIAL LEADED MULTILAYER CERAMIC CAPACITOR

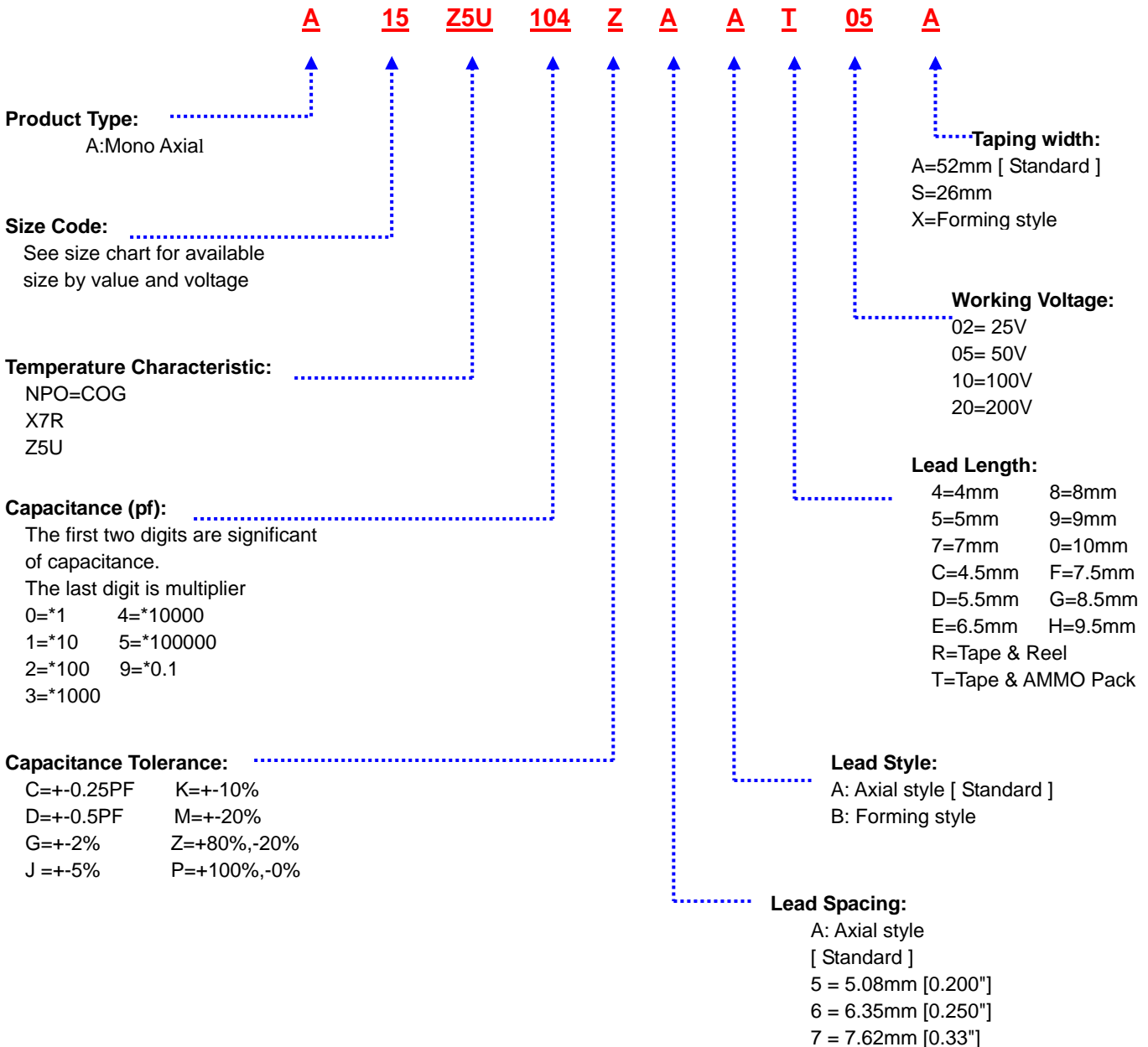
AXIAL LEADED, EPOXY COATED MULTILAYER CERAMIC CAPACITORS

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 :



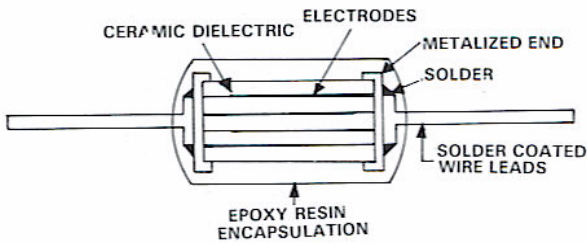
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CAPACITANCE RANGE OF MONO AXIAL

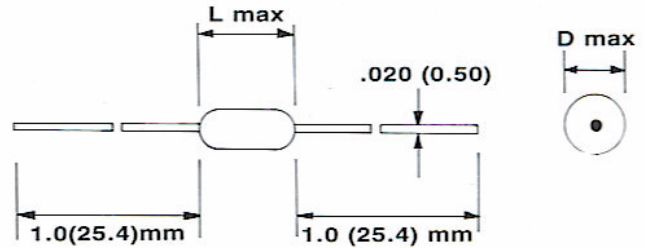
Spec. \ T.C.		NPO				X7R				Z5U		Y5V					
SIZE		A15		A20		A15		A20		A15	A20	A15	A20				
CAP \ WVDC		50	100	50	100	50	100	50	100	50		50					
1 PF to 100	1 PF to 100																
120 pF	121																
150	151																
180	181																
220	221																
270	271																
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																
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

MONOLITHIC CONSTRUCTION



CASE SIZE



SIZE CODE and DIMENSIONS: Units in inches (millimeter)

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.	.125[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.

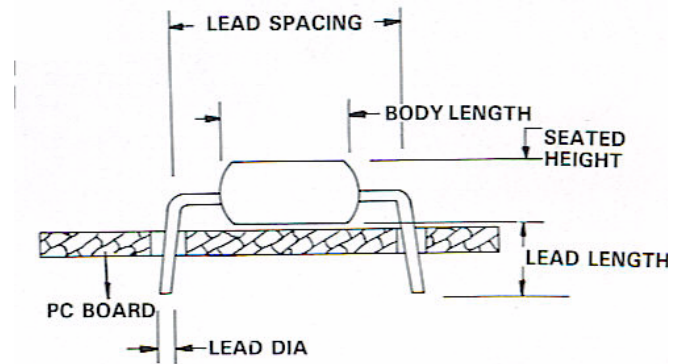
LEAD SPACING TOL: +/- 0.031" [0.8mm]

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]

The dimensions are illustrated as the following:



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.



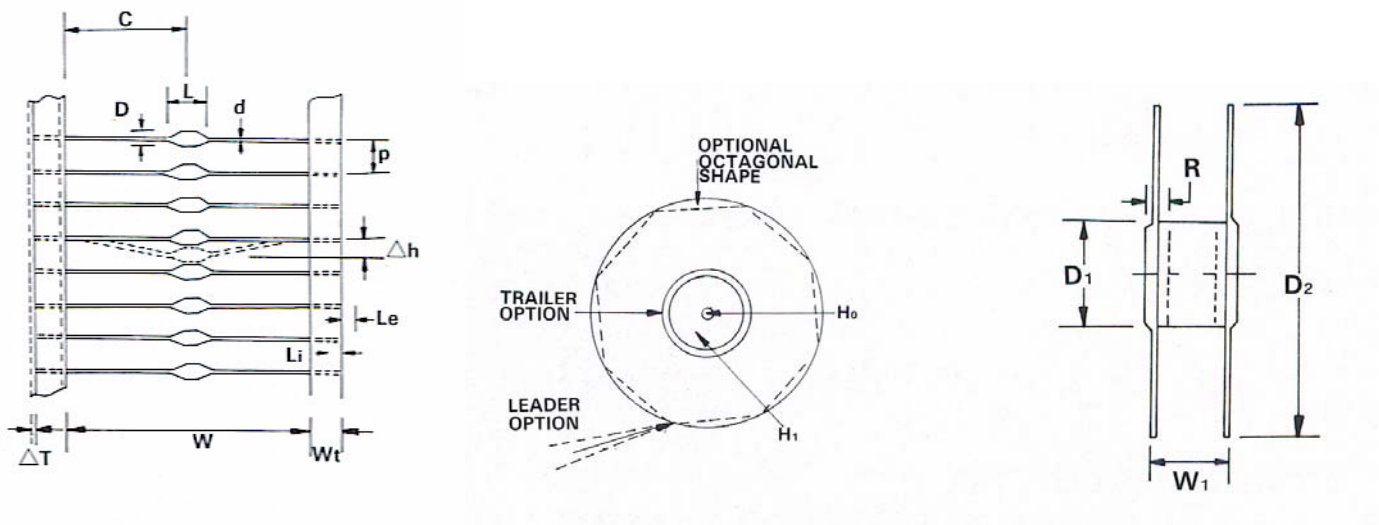
SIZE CODE	Capacitance	Tolerance	Rated. Voltage	Temp. Char.
A15	√	-	-	-
A20	√	√	√	√

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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]

DIMENSIONS: 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	D₁	1.3756-3.260[34.90-92.10]
Tape width	Wt	0.236±.039[6.0±1.0]	Reel Diameter	D₂	14 MAX[355.60]
Lead Wire Protrusion	Le	0.236±.039[6.0±1.0]	Core Width	W₁	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	ΔT	0.031 MAX[0.8]	Arbor Hole	H₀	0.510 - .608[15.5 – 18.0]
Width Between Tapes	W	2.06±.062[52.37±1.57]	Deflection from Nominal position	Δh	0.047MAX [1.19]
Pilot Hole DIA	H₁	0.315[8.0]	Leader option	L	12MIN [304.8]

PACKAGING QUANTITY

SIZE CODE	Taping Type		Bulk Type
	Quantity per reel	Quantity per box	Quantity per bag
A15	10,000	5,000	1,000
A20	8,000	4,000	1,000