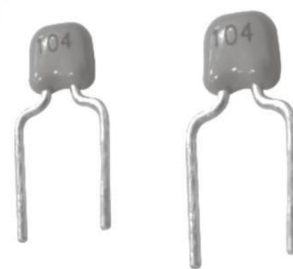


MLC Series 積層陶瓷型電容器 (獨石電容器)

Description

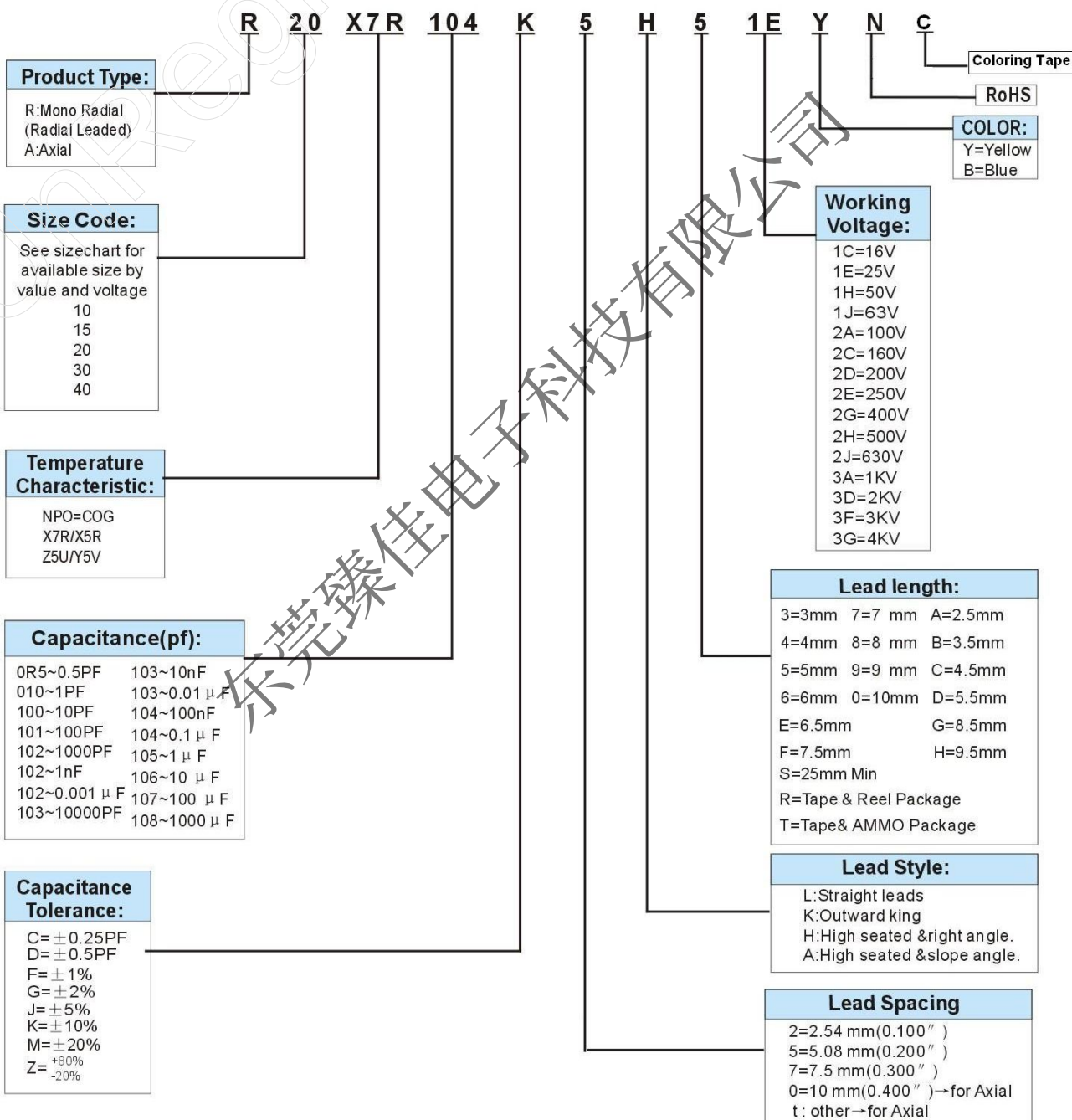
ZONKAS Multilayer ceramic radial,axial capacitors epoxy dipped are build by superior moisture and shock resistant epoxy coating can be supplied in bulk or taped ammo/ reel package for automatic insertion in PCB.Our series capacitors have wide applications in computer, date processing, telecommunication, industrial contrial and instrumentation equipment, etc.



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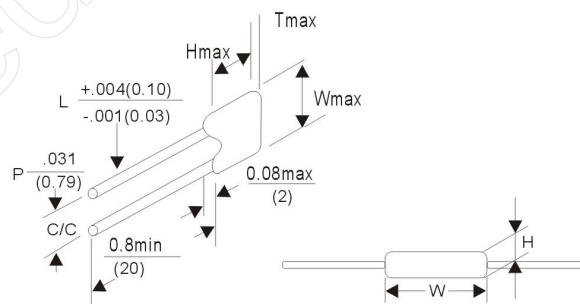
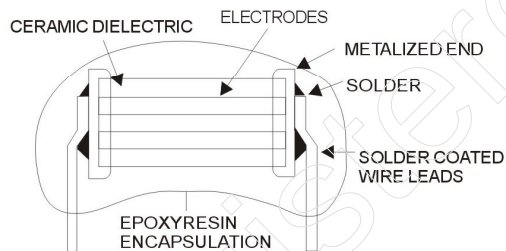
HOW TO ORDER

ZONKAS Part Number are designed as:

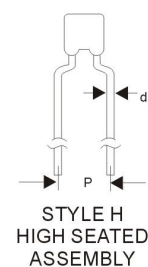
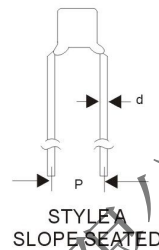
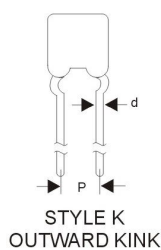
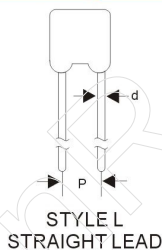


MLC Series 積層陶瓷型電容器 (獨石電容器)

Monolithic Construction



Lead Styles:



Size code and dimensions: units in inches (mm)

SIZE CODE	W	H	T	LEAD DIAMETER(S)	LEAD LENGTH(L)	LEAD SPACING(S)	LEAD STYLES
R10	0.10" ± 0.04 2.5 ± 1	0.08" ± 0.04 2 ± 1	0.08" ± 0.04 2 ± 1	0.020" 0.50 ± 0.1	0.10" (2.50)	0.100" (2.54)	H.L.
					1.0" (25.0)	0.200" (5.08)	H
R15	0.14" ± 0.04 3.5 ± 1	0.14" ± 0.04 3.5 ± 1	0.10" ± 0.04 2.54 ± 1	0.020" 0.50 ± 0.1	0.10" (2.50)	0.100" (2.54)	H.L.
					1.0" (25.0)	0.200" (5.08)	H.A.
R20	0.18" ± 0.06 4.5 ± 1.5	0.18" ± 0.06 4.5 ± 1.5	0.12" ± 0.06 3 ± 1.5	0.024" 0.60 ± 0.1	0.10" (2.50)	0.100" (2.54)	L
					1.0" (25.0)	0.200" (5.08)	H.A.
R30	0.25" ± 0.06 6.35 ± 1.5	0.25" ± 0.06 6.35 ± 1.5	0.13" ± 0.06 3.3 ± 1.5	0.024" 0.60 ± 0.1	0.10" (2.50)	0.100" (2.54)	K
					1.0" (25.0)	0.200" (5.08)	H.A.
R40	0.32" ± 0.06 8.1 ± 1.5	0.3" ± 0.06 7.6 ± 1.5	0.16" ± 0.06 4 ± 1.5	0.027" 0.70 ± 0.1	0.10" (2.50)	0.200" (5.08)	L
					1.0" (25.0)	0.300" (7.62)	H.A.
A15	0.18" ± 0.06 4.5 ± 1.5	0.12" ± 0.06 3 ± 1.5		0.020" 0.50 ± 0.15	0.8" (20mini)		Axial

Marking

First line marked the Capacitance value.

Second line marked the TOL. WVDC, & T.C.

TDL: J= $\pm 5\%$, K= $\pm 10\%$, M= $\pm 20\%$, Z= $+80/-20\%$.

WVDC: 1E=25V, 1H=50V, 1J=63V, 2A=100V, 2C=160V, 2D=200V.....same how to order

T.C.: N=NPO(COG), X=X7R, Y=Y5V

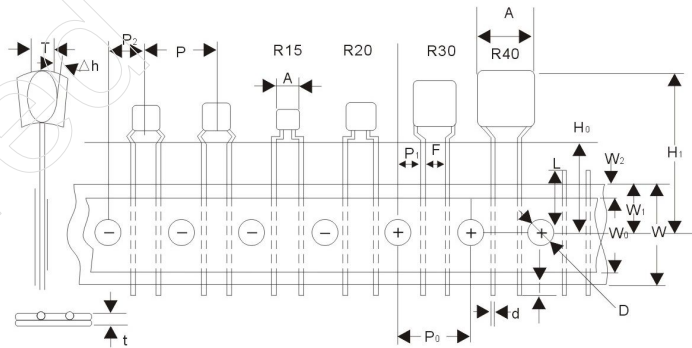
101J
1HN

COLOR	SIZE CODE	Capacitance	Tolerance	Rated Voltage	Temp. Char.
YELLOW, BLUE	R10	✓	—	—	—
YELLOW, BLUE	R15	✓	—	—	✓
YELLOW, BLUE	R20	✓	—	—	✓
YELLOW, BLUE	R30	✓	—	—	✓
YELLOW, BLUE	R40	✓	✓	✓	✓

MLC Series 積層陶瓷型電容器（獨石電容器）

Radial tape & reel

ZONKAS has developed a tape and reel system of radially leaded components which is suitable for the auto insertion machine.



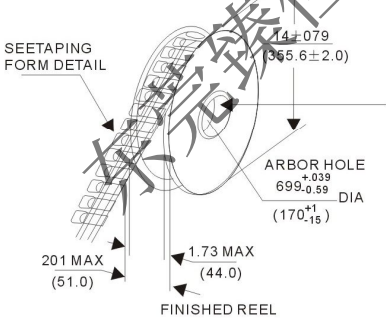
Dimension:

Units in inches (millimeter)

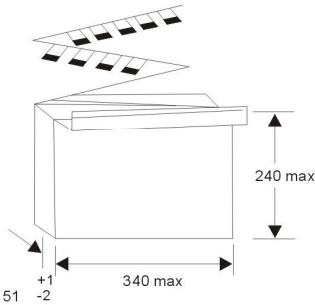
Description	Symbol	Dimensions	Description	Symbol	Dimensions
Body	A	.400"×.400" (10.16×10.16) Maximum	Feed hole pitch	P	0.5"±.040" (12.7±1.02) Accumu. Lative pitch over Two units
Wire lead diameter (Mono-Kap)	d	.024"±.004" (0.61±0.1)	Feed hole off alignment	P1 P2	.150"±.020" (3.81±0.51) for F5mm .250"±.040" (6.35±1.02)
Feed Hole Diameter	D	.157"±0.012" (4±0.30)	Overall tape thickness	t	.035" (0.89) Maximum
Lead end protrusion	I	0.04" (1.0) max	Body thickness	T	.18" (4.5) Maximum
Lead spacing	F	.20"±.030" (5.08±0.76) .10"±.030" (2.54±0.76)	Lead crimp height	H0	.630"±.020" to .710"±.020 (16.0±0.05 to 18.0±0.05)
Body inclination	Δh	0±.040" (0±1.02)	Carrier tape width	W	.710"±.020" (18.03±0.51)
Top height	H1	1.27" (32.25) Maximum	Adhesive tape width	W0	0.2" - 0.51" (5-13)
Rejected component out height	L	.433" (11.00) Maximum	Feed hole height off alignment	W1	.350"±0.20 (8.89±0.51)
Taping pitch	P	.500"±0.39 (12.70±0.99)	Adhesive tape margin	W2	.120" (3.05)±0.04" (1)

Reel and box dimensions (mm)

Reel Package



AmmoBox Package



Packaging quantity

Size Code	Taping Type	
	Quantity per reel	Quantity Ammo per box
R10	4,000	2,000
R15	4,000/3,000	2,000
R20	4,000/3,000	2,000
R30	3,000	2,000
R40	3,000	1,500
A15		5,000