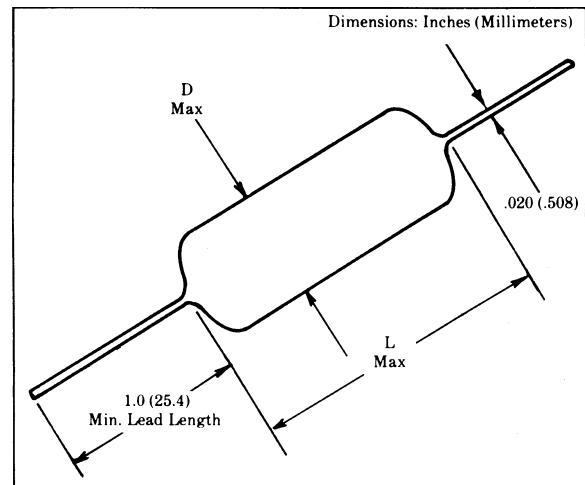
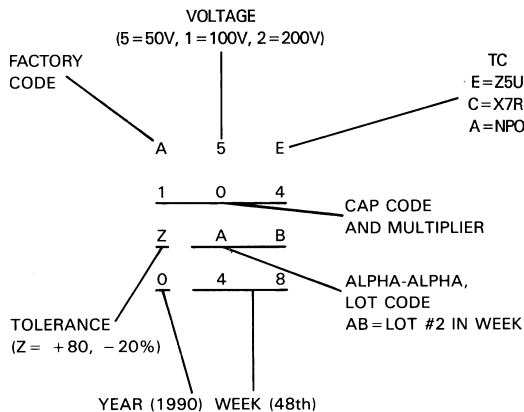


FEATURES

- NPO (COG), X7R, Z5U: temperature coefficients.
- 50, 100, & 200VDC.
- Lead Material: Solderable.
- Case Material: Epoxy.
- Packaging: Lead Taped and Reeled per EIA RS-296.
Case 10, 20 – 7,500 parts per reel.
Case 30, 40 – 5,000 parts per reel.



MARKING (EXAMPLE)



Tolerances

NPO = D, F, G, J, K
X7R = J, K, M
Z5U = M, Z
D = ±0.5pF
F = ±1%
G = ±2%
J = ±5%
K = ±10%
M = ±20%
Z = +80%, -20%

PART NUMBERING

Part Number Example: CMA-100/103KX10TF

CMA	-	100	/	103	K	X	10	T	F
Type		Rated DC Voltage		Capacitance Code (pF)*	Tolerance Code	Dielectric Material**	Case Size	Package Code***	RoHs Compliant

* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).

** Dielectric Material: N = NPO, X = X7R, Z = Z5U.

*** Package Code: T = Tape & Reel, TA = Tape & Ammo, B = Bulk.

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic		Inches (mm)					
Case		05	10	11	20	30	40
Length	L	0.118 (3.00)	0.170 (4.32)	0.170 (4.32)	0.260 (6.60)	0.290 (7.37)	0.400 (10.16)
Diameter	D	0.090 (2.30)	0.100 (2.54)	0.120 (3.05)	0.100 (2.54)	0.150 (3.81)	0.150 (3.81)

EIA/TC	WVDC	Capacitance Range (pF EIA)					
NPO	200	1R0-121	1R0-121				
	100	151-561	151-102	102 - 272	102 - 182	182 - 392	472 - 822
	50		102-122	182 - 392	182 - 332	472 - 562	822 - 123
X7R	200	221-471	221-103				
	100	561-682	561-153	183 - 393	822 - 333	223 - 104	124 - 184
	50	822-183	822-104	473 - 104	273 - 104	563 - 334	334 - 474
Z5U	100		103-473	104	333 - 473	683 - 334	154 - 474
	50	103-104	103-224	224 - 474	473 - 224	474 - 105	