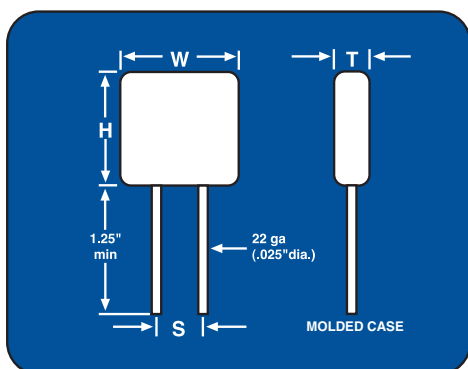


200°C Leaded Ceramic Capacitors

25VDC - 200VDC



General Specifications

	X7R	NPO
Capacitance Range	10pf-3.9mf (+25° C, 1.0Vrms, 1Khz)	10pf-.15mf (+25° C, 1.0Vrms, 1Khz)
Capacitance Tolerance	+/- 5,10,20%, +80/-20%	+/- 1,2,5,10,20%, +80/-20%
Temperature Coefficient	+15%, -50% from -55° C to 200° C	+/- 30ppm/ C, from -55° C to 200° C
Dissipation Factor	2.5% max. (+25° C, 1.0Vrms, 1Khz)	.15% max. (+25° C, 1.0Vrms, 1Khz)
Voltage Ratings	25 to 200 Vdc @ 200° C	
Dielectric Withstanding Voltage	2.5x rated voltage (100mA max.)	
Insulation Resistance (min.)	100K megohms or 1K megohms-mfd at 25° C, whichever is less 100 megohms or 1 megohms-mfd at 200° C, whichever is less	

Style and Size Information (All dimensions are in inches)

STYLE	MAX WIDTH(W)	MAX HEIGHT(H)	MAX THICKNESS(T)	LEAD SPACING(S) +/- .030
11	.200	.200	.100	.200
12	.300	.300	.100	.200
13	.500	.500	.150	.400
16	.650	.600	.150	.600

X7R MAXIMUM CAPACITANCE

STYLE	MIN	25V MAX	50V MAX	100V MAX	200V MAX
11	10 pf	.1 mf	.068 mf	.047 mf	.012 mf
12	1000 pf	.47 mf	.33 mf	.22 mf	.068 mf
13	.01 mf	2.2 mf	1.8 mf	1.5 mf	.47 mf
16	.01 mf	3.9 mf	3.3 mf	2.7 mf	.82 mf

NPO MAXIMUM CAPACITANCE

STYLE	MIN	25V MAX	50V MAX	100V MAX	200V MAX
11	10 pf	3900 pf	2700 pf	1800 pf	820 pf
12	1000 pf	.027 mf	.015 mf	.01 mf	3300 pf
13	.01 mf	.1 mf	.068 mf	.056 mf	.022 mf
16	.01 mf	.15 mf	.12 mf	.1 mf	.047 mf

(Custom sizes and values available, contact factory)

How To Order

50	L	12	B	103	K	HT
Voltage 25 = 25V 50 = 50V 100 = 100V 200 = 200V	Configuration L = Leaded	Style	Dielectric Type B = X7R A = NPO	Capacitance Value Capacitance In Picofarads Last Digit is the Number of Zeros ie, 103 = 10,000 pf	Tolerance F = ± 1% G = ± 2% J = ± 5% K = ± 10% M = ± 20% Z = + 80/- 20% P = GMV	Temperature Rating HT = 200° C

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Data Sheet Rev A

