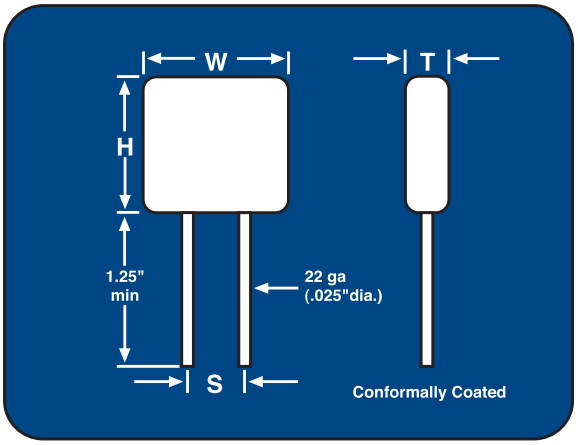
X7R High Voltage Leaded Ceramic Capacitors

500VDC - 10000VDC



General Specifications

X7R

Capacitance Range	100pf-2.2mf (+25° C, 1.0Vrms, 1Khz)
Capacitance Tolerance	+/- 5,10,20%, +80/-20%
Temperature Coefficient	+/- 15% from -55° C to 125° C
Dissipation Factor	2.5% max. (+25° C, 1.0Vrms, 1Khz)
Voltage Ratings	500 to 10,000 Vdc
Dielectric Withstanding Voltage	1.2x rated voltage (100mA max.)
Insulation Resistance (min.)	100K megohms or 1K megohms-mfd at 25° C, whichever is less 10000 megohms or 100 megohms-mfd at 125° C, whichever is less
Lead Material	Solder Coated Copper Clad Steel

Notes: 1) *Conformally Coated* 2) *Designed to meet individual H.V. DSCC Drawings 87043, 87040, 87047, 89044, 87070 and 87081*

Style and Size Information (All dimensions are in inches)

STYLE	MAX WIDTH(W)	MAX HEIGHT(H)	MAX THICKNESS(T)	LEAD SPACING(S) +/- .030
2522	.250	.220	.170	.170
3228	.320	.280	.220	.220
3730	.370	.300	.250	.275
4740	.470	.400	.270	.375
5750	.570	.500	.270	.475
6760	.670	.600	.270	.575
7772	.770	.720	.270	.675
12560	1.250	.600	.270	1.100
14572	1.450	.720	.270	1.300

X7R MAXIMUM CAPACITANCE

STYLE	MIN	500V MAX	1000V MAX	2000V MAX	3000V MAX	4000V MAX	5000V MAX	10000V MAX
2522	100 pf	.039 mf	.01 mf	1800 pf				
3228	100 pf	.1 mf	.033 mf	8200 pf	3300 pf			
3730	100 pf	.12 mf	.047 mf	.012 mf	4700 pf			
4740	100 pf	.56 mf	.15 mf	.033 mf	.015 mf	6800 pf		
5750	100 pf	1.0 mf	.27 mf	.068 mf	.027 mf	.01 mf	6800 pf	
6760	560 pf	1.5 mf	.47 mf	.1 mf	.039 mf	.018 mf	.012 mf	
7772	1000 pf	2.2 mf	.68 mf	.18 mf	.068 mf	.027 mf	.018 mf	
12560	1000 pf			.22 mf	.082 mf	.047 mf	.022 mf	6800 pf
14572	1500 pf			.33 mf	.12 mf	.068 mf	.039 mf	.01 mf

(Custom sizes and values available, contact factory)

How To Order

202	L	4740	B	103	K	A
Voltage	*Configuration*	*Style*	*Dielectric Type*	*Capacitance Value*	*Tolerance*	*Group A Screening*
501 = 500 102 = 1000 202 = 2000 302 = 3000 402 = 4000 502 = 5000 103 = 10000	L = Leaded		B = X7R	Capacitance In Picofarads Last Digit is the Number of Zeros ie, 103 = 10,000 pf	J = ± 5% K = ± 10% M = ± 20% Z = + 80/- 20% P = GMV	Add to part number if required, Mil-prf-49467 (subgroup 1, except corona)

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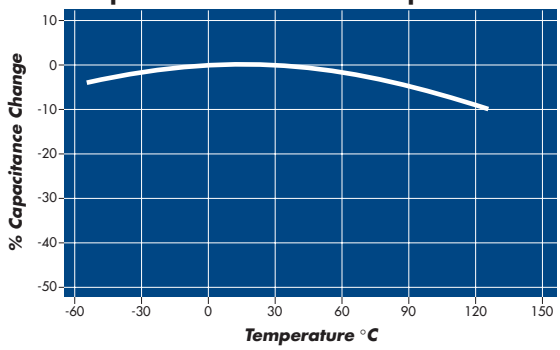
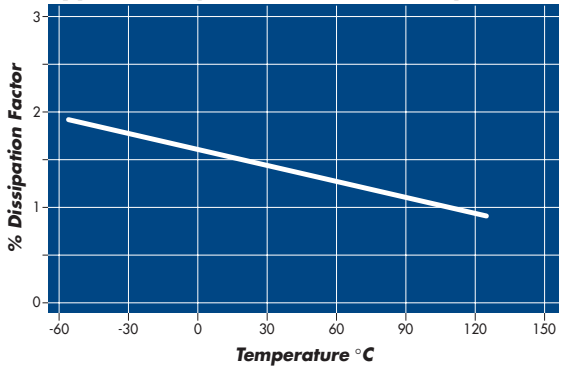
Temperature Coefficient of Capacitance



Typical Dissipation Factor vs. Temperature



Minimum Insulation Resistance vs. Temperature and Capacitance