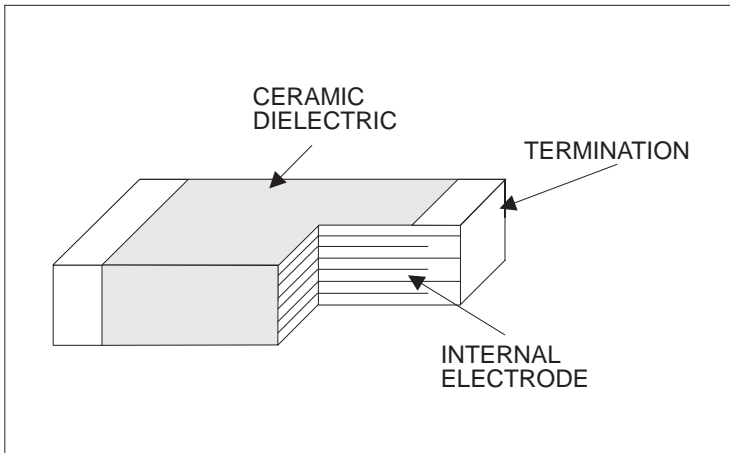




Ceramic Chip Capacitors - X7R & BX Dielectric



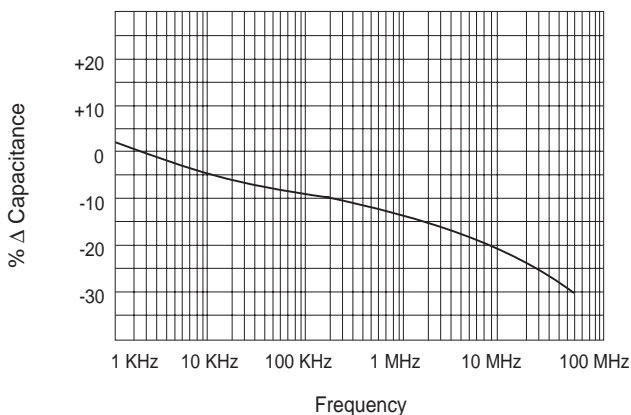
Application

X7R & BX dielectric properties; suited for by-pass and coupling purposes, filtering, frequency discrimination, DC blockage, and as voltage transient suppression elements.

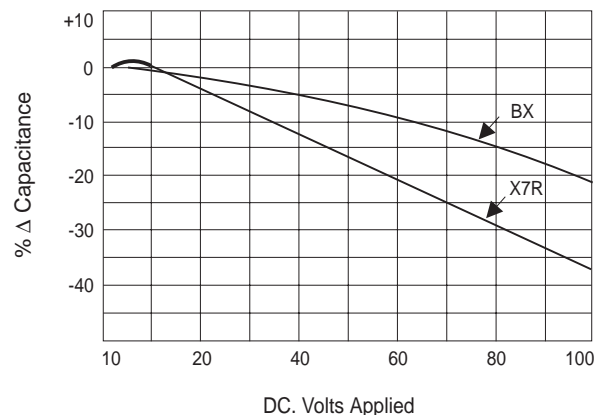
General Specification

- Operating temperature range -55°C ~ +125°C
- Capacitance Range: 390pF ~ 0.47uF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Voltage Ratings, 50VDC, 100VDC, 200VDC
- Dissipation Factor (1 KHz, 1.0 Vrms, 25°C) 2.5% Max
- Insulation Resistance (rated Voltage applied at 25°C) 100,000 megohms or 1,000 Ohm-Farads min
- Dielectric strength > 2.5X WV. DC.

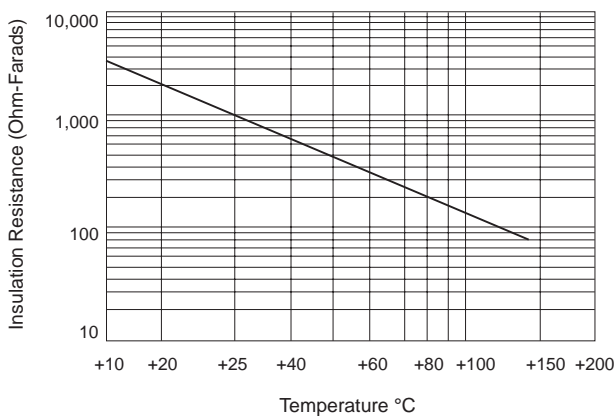
ΔC . vs. Frequency Coefficient



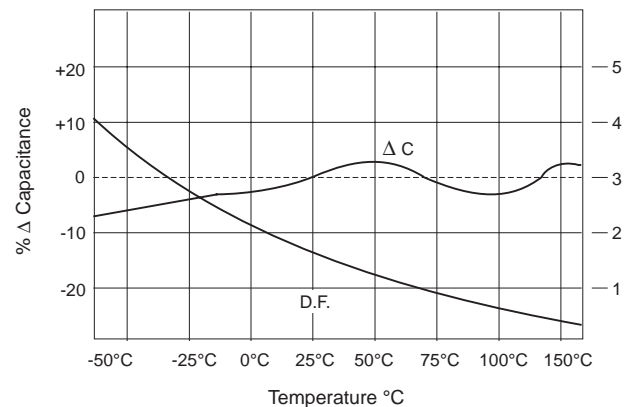
ΔC , vs. Voltage Coefficient



Insulation Resistance vs. Temp



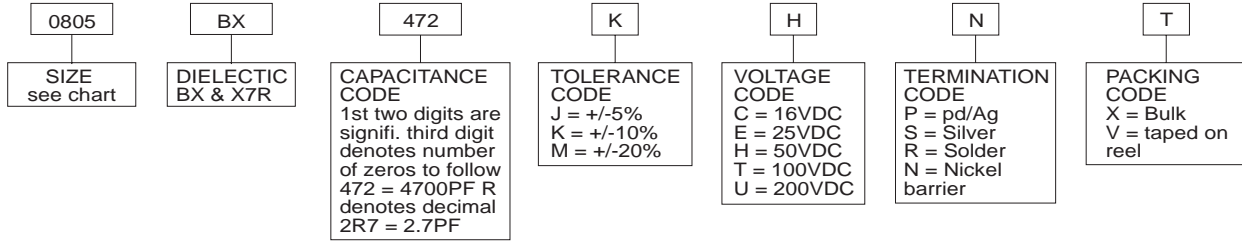
$\Delta C, D.F.$ vs. Temperature Coefficient





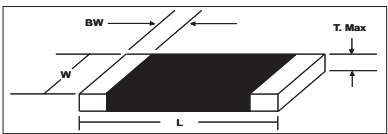
Ceramic Chip Capacitors - X7R & BX Dielectric

Part Number System



SIZES AND VALUES AVAILABLE

1:1 STYLE		0603			0805			1206			1210			1812			2220		
* L (mm, in)		1.6	0.063		2.0	0.080		3.2	0.126		3.2	0.126		4.5	0.177		5.6	0.220	
* W(mm, in)		0.8	0.031		1.25	0.050		1.6	0.063		2.5	0.098		3.2	0.126		5.0	0.197	
T Max(mm, in)		0.9	0.035		1.25	0.050		1.25	0.050		1.5	0.060		1.9	0.075		2.0	0.079	
EB Min(mm, in)		0.2	0.008		0.2	0.008		0.3	0.012		0.3	0.012		0.3	0.012		0.3	0.012	
CAP. (PF)	Tol.	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	
		16	25	50	50	100	200	50	100	200	50	100	200	50	100	200	50	100	200
390	K.M																		
470	K.M																		
560	K.M																		
680	K.M																		
820	K.M																		
1,000	K.M																		
1,200	K.M																		
1,500	K.M																		
1,800	K.M																		
2,200	K.M																		
2,700	K.M																		
3,300	K.M																		
3,900	K.M																		
4,700	K.M																		
5,600	K.M																		
6,800	K.M																		
8,200	K.M																		
10,000	K.M																		
12,000	K.M																		
15,000	K.M																		
18,000	K.M																		
22,000	K.M																		
27,000	K.M																		
33,000	K.M																		
39,000	K.M																		
47,000	K.M																		
56,000	K.M																		
68,000	K.M																		
82,000	K.M																		
100,000	K.M																		
120,000	K.M																		
150,000	K.M																		
180,000	K.M																		
220,000	K.M																		
270,000	K.M																		
330,000	K.M																		
390,000	K.M																		
470,000	K.M																		



* Tolerance +/-0.01", 7% Whichever is greater