

+150°C High Temperature Ceramic Capacitor



<u>1206</u> Bauform	<u>S</u> Dielectric	<u>103</u> Kapazität	<u>K</u> Toleranz	<u>500</u> Spannung	<u>N</u> Kontaktierung	<u>(X) T</u> Gurtung
0805	S = X8R +150°C	102 = 1.0nF	J = 5%	250 = 25V	N = Nickel-	T = gegurtet
1206		103 = 10nF	K = 10%	500 = 50V	Sperrschicht	X = Dicke
1210		104 = 100nF	M = 20%	101 = 100V	< RoHs	Non Standard
1812				251 = 250V	C = Flexicap	
1825						

Datenblatt unter Spec

Dielectric	Size	Volt	1nF	1.5n	2.2	3.3n	4.7n	10n	15n	22n	47n	56n	68n	100	150	220	330	470	680	
X8R Class II +150°C	0805	25V	o	o	o	o	o	o	o	o	o	o								
		50V	o	o	o	o	o	o	o	o	o									
		100V	o	o	o	o	o	o	o	o										
	1206	25V							o	o	o	o	o	o	o	o				
		50V	o	o	o	o	o	o	o	o	o	o	o	o	o					
		100V	o	o	o	o	o	o	o	o	o	o	o	o						
	1210	25V							o	o	o	o	o	o	o	o	o	o		
		50V							o	o	o	o	o	o	o	o				
		100V										o	o	o	o	o				
	1812	50V													o	o	o	o	o	o
		100V													o	o	o	o	o	
		250V							o	o	o	o	o	o	o	o				

X8R DIELECTRIC CHARACTERISTICS

Operating Temperature Range: -55°C to 150°C

Temperature Coefficient up to 150°C: +/- 15% ΔC Max

Dissipation Factor @ 25°C: .025 (2.5%) Max

Insulation Resistance at 25°C: >100G Ω or >1000Ω F
at 150°C: >10G Ω or >100Ω F

Dielectric Withstanding Voltage: < 200V, 250V
*whichever is greater
201-500V, 150% or 500V*
> 500V, 120% or 750V*

Aging Rate: < 2.0% per decade

Test Parameters: 1KHz, 1.0 +/-0.2 VRMS, 25°C