

### FEATURES

- LOWER ESR FOR HIGH FREQUENCY (RF-WIRELESS) APPLICATIONS
- NPO DIELECTRIC FOR STABLE CHARACTERISTICS OVER TIME, TEMPERATURE AND VOLTAGE
- EIA STANDARD CASE SIZES (0402, 0603 & 0805)
- NICKEL BARRIER TERMINATION AND EXCELLENT MECHANICAL STRENGTH

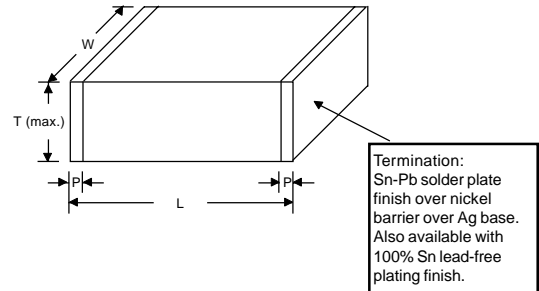


### CHARACTERISTICS

SPECIFICATIONS	NPO
Operating Temperature Range	-55°C to +125°C
Temperature Characteristic	0 ± 30PPM/°C
Dissipation Factor	0.01 max. (1MHz, +25°C)
Insulation Resistance	100,000 Megohms min. @ +25°C
Capacitance Range	0.5pF ~ 150pF
Capacitance Tolerances	Below 10pF: ±0.1pF(B), ±0.25pF(C), ±0.5pF(D) 10pF and above: ±1%(F), ±2%(G), ±5%(J)
Rated Voltage	50, 100VDC
Dielectric Withstanding Voltage	250% of rated voltage for 5 ± 1 seconds

Typical Impedance versus Frequency Curves

EIA Case Size	0402	0603	0805
Length (L)	1.0 ±0.05	1.6 ±0.15	2.0 ±0.2
Width (W)	0.5 ±0.05	0.8 ±0.15	1.25 ±0.2
Thickness (T)	0.6 max.	1.0 max.	1.3 max.
Termination Width (P)	0.2±0.1	.12 ~.51	.25 ~ .71
Capacitance	ESR @ 500MHz		
0.5 ~ 4.3pF	0.700Ω max.		
4.7 ~ 20pF	0.385Ω max.		
22 ~ 56pF	0.300Ω max.		
68 ~ 100pF	0.260Ω max.		
120 ~ 150pF	0.500Ω max.	0.400Ω max.	0.260Ω max.



### PART NUMBERING SYSTEM

