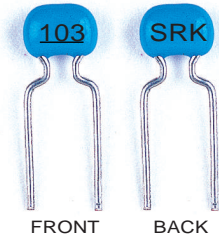


X7R DIELECTRIC - GENERAL SPECIFICATION

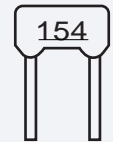
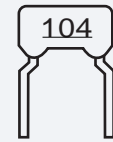
INTRODUCTION:

The X7R has moderate K value and is temperature stable. It shows moderate change in electrical properties under changing temperature, voltage, and frequency. It's suitable for by-passing, and frequency discrimination circuits applications.



FEATURES :

- Stable electrical characteristics
- Small size with high capacitance values
- Consistent dimension and finish surface
- Engineered for automatic handling and insertion



GENERAL SPECIFICATIONS:

Operating Temperature Range	-55°C~+125°C
Temperature Coefficient	± 15%
Rated Voltage	50V,100V,250V,500V,1KV
Dissipation Factor(tan δ)	C<220nF,2.5% max. C≥ 220nF,3.0% max.
Testing Parameters	1KH±50Hz,1.0±0.2Vrms @25°C
Insulation Resistance(I.R.)@25°C	Lesser of 10GΩ or 100MΩ/C(μF) Whichever is less
Voltage Proof,25°C,1-5sec	Rated voltage 50V,100V,Test voltage=2.5×R.V. Rated voltage 250V, Test voltage=2.0×R.V. Rated voltage 500V, Test voltage=1.5×R.V Rated voltage 1KV, Test voltage=1.2×R.V
Aging Rate	~1.5% per Decade hour