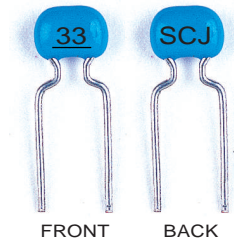




NPO DIELECTRIC -GENERAL SPECIFICATION

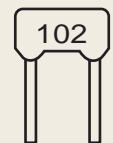
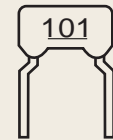
INTRODUCTION:

The NPO(COG) is a high Q,low K temperature compensating type of dielectric with stable electrical properties under varying voltage, temperature, frequency and time, It's suitable for circuits that require low loss,as well as timing and tuning applications.



FEATURES :

- Very low temperature coefficient
- 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 | 0±30ppm/°C,C>20PF 0+120-40ppm/°C,C≤20PF |
| Rated Voltage | 50V,100V,250V,500V,1KV |
| Dissipation Factor(tan δ) | 1000min for C≥30pF >400+20C,C<30pF |
| Testing Parameters | For Values ≤ 1000pf:1MHz5.0Vrms max@25°C For values > 1000pf:1KHz5.0Vrms max@25°C |
| Insulation Resistance(I.R.)@25°C | Lesser of 100GΩ or 1000MΩ/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 | 0% per Decade hour |