

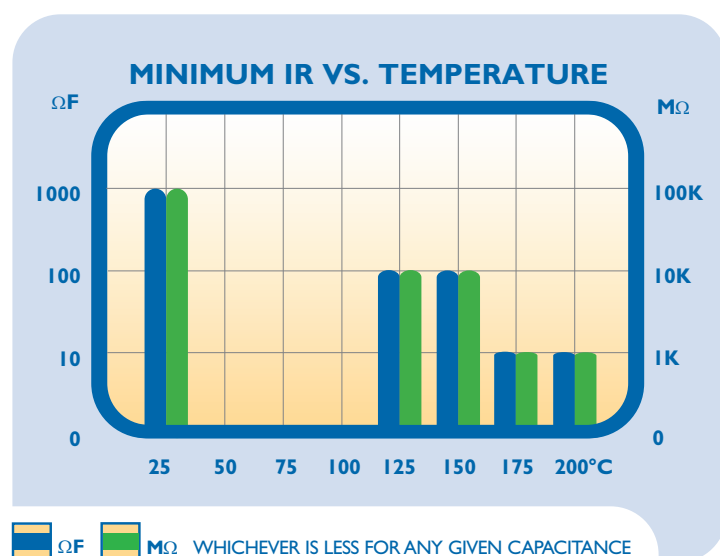
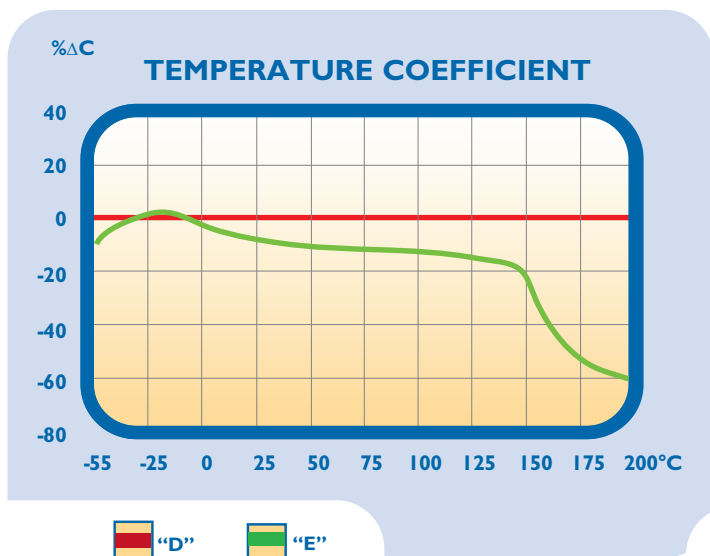
# 200°C - DIELECTRIC CHARACTERISTICS

## CHARACTERISTICS

## “D” COG DIELECTRIC

## “E” CLASS II DIELECTRIC

|  |   |   |
|--|---|---|
| Operating Temperature Range:                               | -55°C to 200°C  | -55°C to 200°C  |
| Temperature Coefficient up to 200°C:                       | 0 +/- 30 ppm/°C   | +15 -65% ΔC Max   |
| Dissipation Factor @ 25°C:                                 | .001 (0.1%) Max   | .025 (2.5%) Max   |
| Insulation Resistance, 25°C<br>200°C                       | > 100GΩ or > 1000ΩF<br>> 1GΩ or > 10ΩF                            | > 100GΩ or > 1000ΩF<br>> 1GΩ or > 10ΩF                            |
| Dielectric Withstanding Voltage:<br>* Whichever is greater | < 200V, 250%<br>201-500V, 150% or 500V*<br>> 500V, 120%, or 750V* | < 200V, 250%<br>201-500V, 150% or 500V*<br>> 500V, 120%, or 750V* |
| Aging Rate:  | 0% per decade   | < 2.0% per decade   |
| Test Parameters:   | 1KHz, 1.0 +/- 0.2 VRMS, 25°C<br>1MHZ for Capacitance <100pF       | 1KHz, 1.0 +/- 0.2 VRMS, 25°C                                      |



## HOW TO ORDER

| 4540                     | E  | 104   | M  | 250   | LC  | H  |
|--------------------------|--|---|--|---|---|--|
| <b>SIZE</b><br>See Chart | <b>DIELECTRIC</b><br>D = 200°C COG<br>E = 200°C Class II | <b>CAPACITANCE</b><br>Value in Picofarads<br>Two significant figures, followed by number of zeros:<br>104 = 100,000pF | <b>TOLERANCE</b><br>F = 1%<br>G = 2%<br>COG only<br>J = 5%<br>K = 10%<br>M = 20% | <b>VOLTAGE-VDCW</b><br>Two significant figures, followed by number of zeros:<br>250 = 25V | <b>TERMINALS</b><br>LC = Radial Ledded with Encapsulation<br>LO = Radial Ledded No Encapsulation<br>LP = Parylene Coating<br>LG = Black Epoxy Coating | <b>HI TEMP SCREENING</b><br>Novacap High Temp Screen |