

Series 1613 Metallized Polycarbonate

**Limited Availability, Please Call Factory.
Recommend Switch to Polyphenylene Sulfide 2113 Series.**

Features: Flame retardant to UL94, miniature size, superior stability, self healing, high insulation resistance, low dissipation factor, high frequency operation.

Applications: Timing circuits, filters, high current applications.

Specifications

1) Temperature Range

-55°C to 125°C at rated voltage.

2) Capacitance

Capacitors shall be measured at 1 KHz \pm 20 HZ at 25°C.

3) Dielectric Strength

At 25°C, 150% of rated voltage when applied terminal to terminal for one minute through a current limiting resistance.

4) Insulation Resistance

At 25°C after 2 minutes charge time at rated voltage or 500 VDC, whichever is less, the minimum IR shall be 50,000 Megohm-Microfarads, but need not exceed 100,000 Megohms for voltages greater than 75 VDC, and 15,000 Megohm-Microfarads, but need not exceed 50,000 Megohms for 75 VDC or less.

5) Humidity Resistance

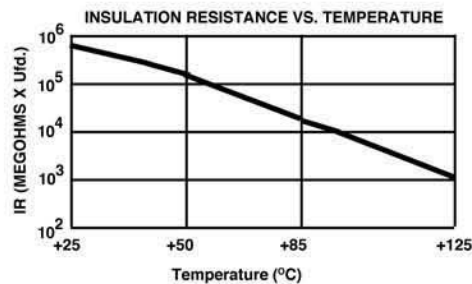
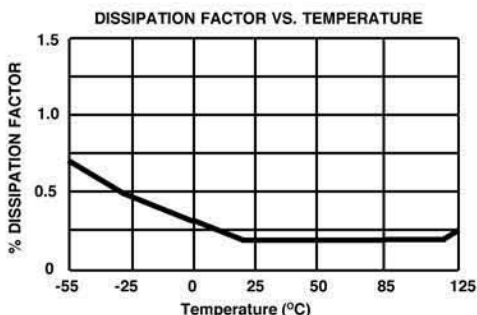
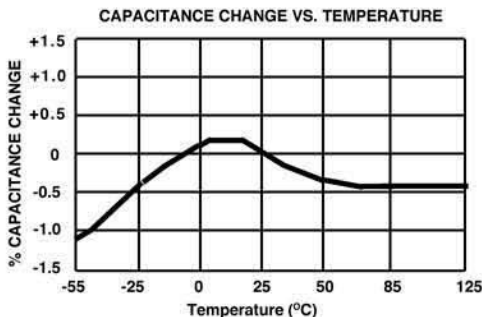
Series 1613 shall meet the requirements of MIL-STD. 202, Method 103B.

6) Dissipation Factor

Shall be 0.3% max. when measured at 1KHZ and 25°C.

7) Life Test

Will withstand the application of 140% rated voltage at + 125°C for 250 hours with not more than one failure in 12 permitted.



Typical Temperature Curves Metallized Polycarbonate