

Series 1906 Polystyrene and Foil

Features: Flame retardant to UL94, high insulation resistance, very low dielectric absorption, long term stability, negative linear temperature coefficient.

Applications: Timing circuits, filters.

Packaging: Axial wrap and fill (TC), axial lead epoxy tube (EC).

Special Options: Different temperature coefficients (A1906, T1906).

Specifications

1) Temperature Range

-55°C to 85°C at rated voltage.

2) Capacitance

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

3) Dielectric Strength

At 25°C, 200% 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 500,000 Megohm-Microfarads, but need not exceed 1,000,000 Megohms.

5) Humidity Resistance

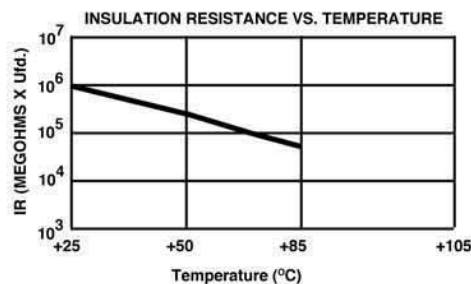
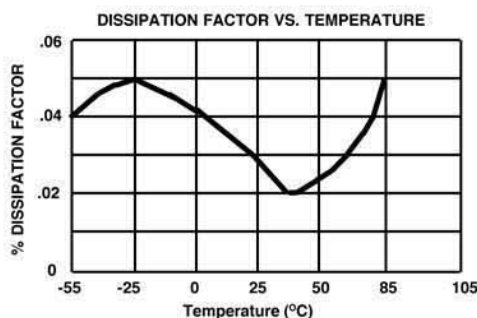
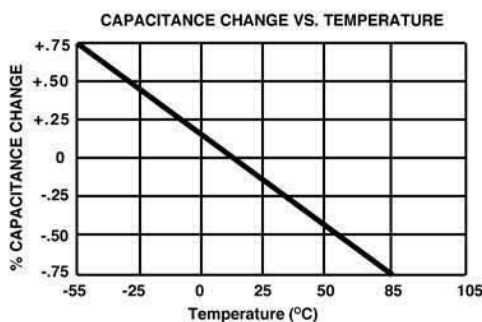
Series 1906 shall meet the requirements of MIL-STD. 202, Method 103B.

6) Dissipation Factor

Shall be 0.1% max. when measured at 1KHz and 25°C.

7) Life Test

Will withstand the application of 140% rated voltage at + 85°C for 250 hours with not more than one failure in 12 permitted.



Typical Temperature Curves Polystyrene and Foil