

REFERENCE DATA

- CAPACITANCE:** Measured at 1KHz 25 ° C
- INSULATION RESISTANCE:** Measurement shall be made at 25 ° C after applying for 60 sec. At rated DC voltage or 500 VDC whichever is less.
- A.C. APPLICATION:** The peak value of the superimposed AC plus DC voltage shall not exceed the rated DC voltage and please refer to relative characteristics 0.7 re-rated curve.
- TEMPERATURE COEFFICIENT:**
 - Polyester : 400 ± 20 PPM/ °C
 - Polypropylene: -240 ± 80 PPM/ °C
 - Polycarbonate: 150 ± 50 PPM/ °C
 - Polystyrene : -150 ± 50 PPM/ °C

- LONG TERM STABILITY:** Capacitance shall change no more than ±2% for Polyester & Poly carbonate and 5% for Polypropylene & Poly styrene when stored for two years at temperature +20 to +40 ° C and R.H. 40 to 60%.
- LIFE TEST:** 1000 HOURS AT 85 ° C (70 ° C Polystyrene) with 150% rated DC voltage

Test criteria:

	ΔC/C	D.F.	I.R.
Polyester	≤ ± 5%	≤ 1.2%	≥ 0.5 X I.R.min
Polypropylene	≤ ± 3%	≤ 0.2%	≥ 0.5 X I.R.min
Polycarbonate	≤ ± 2%	≤ 0.4%	≥ 0.5 X I.R.min
Polystyrene	≤ ± 2%	≤ 0.1%	≥ 0.5 X I.R.min

Fig. 1 to 3 show the general characteristics of capacitance, tolerance, insulation resistance, working voltage, dielectric constant, minimum thickness and application.

