



勝 特 力 材 料 886-3-5753170
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[Http://www.100y.com.tw](http://www.100y.com.tw)

INTRODUCTION:

Type-PSI(Axial) & PSR Capacitors are constructed with polystyrene film dielectric, aluminum or tin foil electrode tinned copper leads in inductive type.

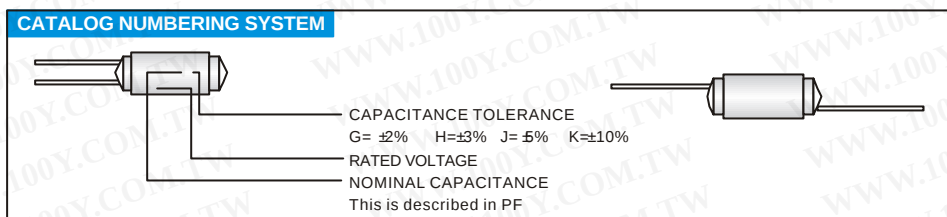
FEATURES:

- Low DF (Dissipation Factor) and high IR (Insulation Resistance).
- Low Temperature Coefficient.
- Small Dissipation Factor.
- High stability of capacitance and DF versus temperature and frequency.
- Electrode and lead are spot welded series resistance is minimized.
- High precision of capacitance is available.
- Excellent environmental performance.
- Ideal for commercial, industrial, and measuring instruments applications in high frequency circuits.

SPECIFICATION:

1. Operating temperature:-40 ~-85
2. Capacitance range:100PF~10,000PF(Nominal in E-12 series)
3. Capacitance tolerance:G=±2%
4. Voltage range:33V, 50V, 100V, 125V, 250V, 500V
5. Testing voltage: 300% of rated voltage for 1 minute.
6. Dissipation factor (DF): 0.1% MAX. when measured at 1 KHz, 25 °C if the capacitance C>300PF
7. Quality value(Q):100 MIN. when measured at 1000KHz, 25 °C if the capacitance C ≤ 330PF
8. Insulation resistance(IR):when measured at rated voltage or 500V, whichever is smaller at 25 °C, IR ≥ 100,000MΩ
9. Capacitance drift: 0.5% MAX. When cycled through the operating temperature range.
10. Load life test:Will withstand a testing voltage of 150% of rated voltage for 1,000 hours at 85 °C. After the test, the capacitance drift DF(or Q):0.15% MAX.(Or 500 MIN).
11. Humidity test:Will withstand the test of R.H. 95% at 40 °C for 100 hours. After the test, the capacitance drift ≤ 2%, DF ≤ 0.15% or Q ≥ 500, IR ≥ 80,000MΩ
12. Lead pull test: Will withstand a pull of 1 kg applied axially for 10 seconds.

13. Lead bend test: The test consists of attaching a load of 0.5Kg to the lead and then bending the capacitor 90° from the direction of lead egress, then 180° in opposite direction and backing to the starting point. The lead will sustain two such cycles without breaking.



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