



# ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.

Manufacturers of PLASTIC FILM CAPACITORS

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## Metallised Polypropylene Capacitors - PS series

### GENERAL

- ◆ Non Polar
- ◆ Non Inductive
- ◆ Low ESR
- ◆ High Insulation Resistance
- ◆ Low Losses
- ◆ High Stability
- ◆ Negative ppm
- ◆ Good High Frequency Stability
- ◆ Self Healing

### APPLICATIONS

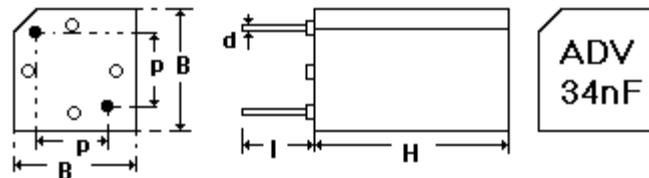
- ◆ Requiring Precision Capacitors
- ◆ Measuring Instruments
- ◆ Telephone Systems
- ◆ Timing Circuits
- ◆ L-C Filters
- ◆ Sample & Hold Circuits
- ◆ High Frequency Applications

STANDARDS : IEC-384-16

### SPECIFICATIONS :

- Temperature Range : -40°C to +85 °C
- Tolerance : ±1%, ±2%, ±5%
- Terminals : Tinned wires placed symmetrically along the base diagonal
- Tan Delta (C < 1uf) : ≤ 0.0005 at 1 kHz
- Insulation Resistance : > 100000Mohm @ 10Vdc
- Test Voltage : 1.6 times rated DC Voltage
- Climatic Category : 55/85/56
- Temperature Co-efficient : -(200±100)\*10<sup>-6</sup>/°C within Temperature Range
- Pulse Rise Time : 10 to 40 V/μS
- Stability : ΔC/C ≤ 0.5%max. over 2000h at the rated voltage and 85°C
- Damp Heat test : According to IEC 68-2-3 Test, Severity 56 days ΔC/C ≤ 0.5%
- Life Test : ΔC/C ≤ 0.5%max. over 2000h at the rated voltage and 85°C

### Dimensions in mm:



Capacitance Range	Rated Voltage	B	H	p	d	L
392pf to 14.7nf	63Vdc/40Vac	7.5	13.5	5.06	0.6	10min.
15nf to 34nf	63Vdc/40Vac	10	13.5	7.62	0.6	10min