



# 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

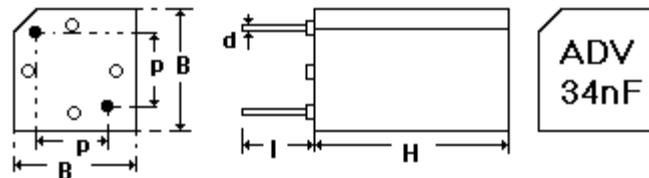
- ◆ Requiring Precision Capacitors
- ◆ Measuring Instruments
- ◆ Telephone Systems
- ◆ Timing Circuits
- ◆ L-C Filters
- ◆ Sample & Hold Circuits
- ◆ High Frequency Applications

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