

Advance High Precision Metallised Polypropylene Capacitors PS series (Tower-Block Capacitors)

General Specifications:

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

Applications:

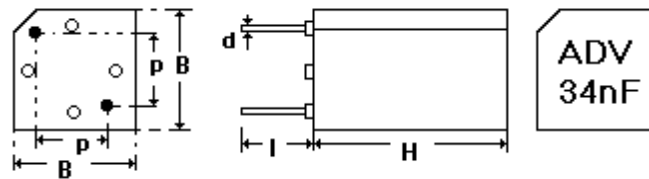
- ◆ High Reliability & Precision applications
- ◆ High Frequency Applications
- ◆ L-C Filters
- ◆ Timing Circuits
- ◆ Measuring Instruments
- ◆ Sample & Hold Circuits

Standards : IEC-384-16

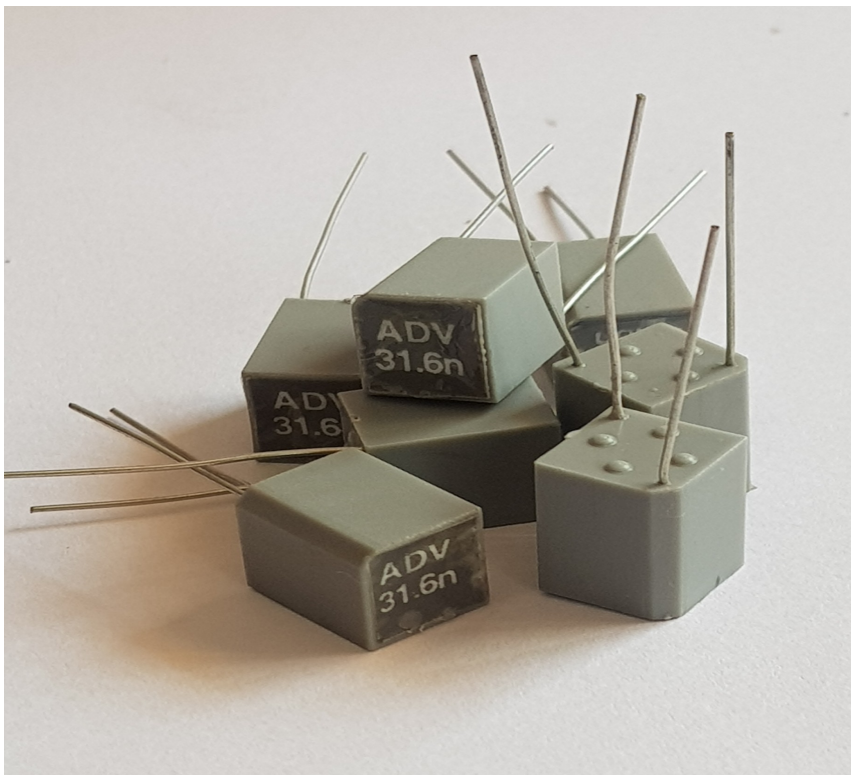
Technical Specifications :

Temperature Range	: -40°C to +85 °C
Case	: Plastic box in tower-block shape end filled with epoxy resin
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	: $-(200\pm 100) \times 10^{-6} / ^\circ\text{C}$ within Temperature Range
Pulse Rise Time	: 10 to 40 V/ μS
Stability	: $\Delta\text{C}/\text{C} \leq 0.5\%$ max. over 2000h at the rated voltage and 85°C
Damp Heat test	: According to IEC 68-2-3 Test, Severity 56 days $\Delta\text{C}/\text{C} \leq 0.5\%$
Life Test	: $\Delta\text{C}/\text{C} \leq 0.5\%$ max. over 2000h at the rated voltage and 85°C

Dimensions in mm:



Capacitance Range	Rated Voltage	B mm	H mm	p mm	d mm	l min. mm
400pf to 8.2nf	63Vdc/40Vac	6.5	14	5.06	0.6	10
10nf to 14.7nf	63Vdc/40Vac	7.5	14	5.06	0.6	10
15nf to 33nf	63Vdc/40Vac	10	14	7.62	0.6	10
39nf to 412nf	63Vdc/40Vac	12.5	14	10.16	0.6	10



Registered Office and Factory:

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