

## Metallised Polypropylene Snubber capacitors-FKP6

### GENERAL

- ◆ Non Polar
- ◆ Low Losses
- ◆ Low ESR, ESL
- ◆ High Insulation Resistance
- ◆ Suitable for High Frequencies
- ◆ Self Healing

Snubbers are high peak current capacitors used in power semiconductor circuits for energy conversion. And, they are used to suppress or attenuate high voltage peaks to protect semiconductor devices.

Advance snubber capacitors are made using internationally accepted series metallised technology for self-healing property. Aluminium foil electrodes are used for high peak current capacities. Capacitor elements are non-inductive and encapsulated in a yellow tape wrap end sealed with flame retardant thermosetting epoxy resin for environmental protection.

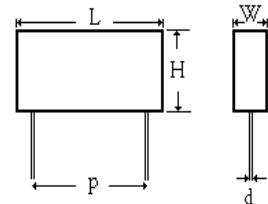
### APPLICATIONS :

- ◆ IGBT Module Protection
- ◆ Energy Conversion in power electronics
- ◆ Thyristor protection
- ◆ High Pulse applications

**TYPE: FKP-6** Radial box type **STANDARDS :** IEC-384-14

### SPECIFICATIONS :

Dielectric Film	: Polypropylene film + Aluminium Foil
Temperature Range	: -55 °C to +105 °C
Tan Delta (C < 1uf)	: ≤ 0.0005 @ 1kHz and 25°C
Insulation Resistance	: ≥ 5000MΩ*μF
Test Voltage	: 1.6 times rated DC Voltage
Climatic Category	: 55/100/56
Voltage Derating	: 1.5% per C above 85°C
Tolerance	: ±5%, ±10%
Stability	: < 0.5% over 2 Years
Terminals	: Tinned copper leads (PCB mounting application)



No	Description	I <sub>peak</sub> A	Dv/dt V/μS	Dimensions W*L*H*PITCH
1	0.0010μF 2000vDC/750VAC ±10%	≥13	13000	6*12*18*15.2
2	0.0022μF 2000vDC/750VAC ±10%	≥28	13000	6*12*18*15.2
3	0.0047μF 2000vDC/750VAC ±10%	≥61	13000	7.5*18*14*15.2
4	0.0068μF 2000VDC/750VAC ±10%	≥ 81	13000	8.5*18*14.5*15.2
5	0.0100μF 2000VDC/750VAC ±10%	≥ 60	6000	11*32*21*27.5
6	0.0220μF 2000VDC/750VAC ±10%	≥ 132	6000	11*32*21*27.5
7	0.0470μF 2000VDC/750VAC ±10%	≥ 282	6000	11*32*21*27.5
8	0.0680μF 2000VDC/750VAC ±10%	≥ 400	6000	11*32*21*27.5