



## Technical Datasheet

### MPP Film Capacitors

RoHS Compatible

Item Number : VAC061012

#### Construction:

- Dielectric: Metallized polypropylene film
- Plastic case
- Polyurethane resin (Dry Type)



#### Terminals:

- Flexible lead wires / Single Faston

#### Typical Applications:

- For general sine wave applications, mainly as Fan capacitor

#### Features:

- Low dissipation factor
- High insulation resistance
- Self-healing properties

#### Marking:

- Viz logo
- LOT number
- Rated capacitance
- Capacitance Tolerance
- Rated voltage
- Date of Manufacture

#### Delivery Mode:

- Single Stack Arranged Packing

#### Electrical Characteristics:

- |   |                                   |
|---|-----------------------------------|
| ▪ Reference Standard                                    | : IEC 60252 2001, IS 1709 : 1984  |
| ▪ Rated Capacitance $C_R$                               | : 1.5 $\mu$ F to 10 $\mu$ F       |
| ▪ Capacitance tolerance                                 | : $\pm$ 5 %                       |
| ▪ Rated voltage $V_R$                                   | : 440 VAC                         |
| ▪ Rated Frequency $F_R$                                 | : 50 / 60 Hz                      |
| ▪ AC test Voltage terminal to terminal                  | : 2.0 x $V_R$ , 2s (Routine test) |
| ▪ AC test Voltage terminal to can                       | : N/A                             |
| ▪ Insulation Resistance R is at 20°C,<br>RH $\leq$ 65 % | : >100 M ohm                      |
| ▪ Loss factor (tan $\delta$ )@ 20°C, 1KHz               | : 2 X 10 <sup>-3</sup>            |
| ▪ Max rate of change of voltage rise dv/dt              | : 10 V/ $\mu$ S                   |
| ▪ Life Expectancy to IEC 60252 2001                     | : 10,000 h – Class B              |



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#### Maximum Ratings:

- Maximum permissible voltage  $V_{max}$  :  $1.1 \times V_R$
- Maximum permissible current  $C_{max}$  :  $1.3 \times I_R$

#### Climatic Category

: 25 / 070 / 21 to IEC 60068-1

- Lower category temperature  $T_{min}$  :  $-25^\circ\text{C}$
- Upper category temperature :  $+70^\circ\text{C}$
- Damp Heat test : 21 Days

Authorised by: Product Design & Development Dept  
Viz Technologies Pvt Ltd

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#### Important notes

1. We always try hard to improve our products Quality. Thus, the products explained in this Datasheet may change from time to time. The same is true of the corresponding product specifications.
2. Please check the product descriptions and specifications mentioned in this datasheet are still applicable before or when you place an order.
3. Ratings, container and wire length dimensions can be changed as per customer requirement