



## Technical Datasheet

### MPP Film Capacitors

### Burst Proof Design

Item Number : VAC010812

#### Construction

- Dielectric: Metallized polypropylene film
- Electrode: Metallized Film
- Liquid resin
- RoHS Compliant



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#### Terminals:

- Double Faston Terminals, Plastic top / Metal top

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#### Typical Applications:

- For general sine wave applications, mainly as motor run capacitor

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#### Features:

- IEC/EN 60335-1 compatible
- Over pressure disconnecter ( Burst Proof)
- Low dissipation factor
- High insulation resistance
- Self-healing properties
- NPCB Compliant

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#### Marking:

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

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#### Delivery Mode:

- Single stacking arranged Packing

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#### Dimensions Table:

- As per customer specifications and requirement.



**Electrical Characteristics:**

- Reference Standard : IEC 60252-1 2001-02
- Rated Capacitance  $C_R$  : 20  $\mu$ F To 72  $\mu$ F
- Capacitance tolerance :  $\pm$  5 %
- Rated voltage  $V_R$  : 440Vac
- Rated Frequency  $F_R$  : 50 / 60 Hz
- AC test Voltage terminal to terminal : 2 x  $V_R$  ,2s (Routine test)  
: 2 x  $V_R$  ,60s (Type test)
- AC test Voltage terminal to can : 2 KV AC ,2s (routine test)  
: 2 KV AC ,60s (Type test)
- Insulation Resistance R is at 20°C, RH  $\leq$  65 % : 3000 s
- Loss factor (tan  $\delta$ )@ 20°C, 120Hz : 1 X 10<sup>-3</sup>
- Max rate of change of voltage rise dv/dt : 10 V/ $\mu$ S
- Life Expectancy to IEC 60252 2001 : 440 V/85 °C: 10000 h – Class B

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**Maximum Ratings:**

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

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**Climatic Category** : 25 / 085 / 21 to IEC 60068-1

- Lower category temperature T min : -25 °C
- Upper category temperature : +85 °C
- Damp Heat test : 21 Days

**Important notes**

1. We always try hard to improve our products Quality. Thus, the products explained in this Data Sheet 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 and container dimensions can be changed as per customer requirement