



## Technical Datasheet

### MPP Film Capacitors

RoHS Compatible

Item Number : VAC020912

#### Construction:

- Dielectric: Metallized Polypropylene Film
- Electrode: Segmented Metallized Film
- Plastic Case
- Dry Type Resin



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#### Terminals:

- Flexible copper wires
- Crimping or receptacles on request

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#### Typical Applications:

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

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#### Features:

- Low dissipation factor
- High insulation resistance
- Self-healing properties
- P2 safety class to IEC 60252-1 2001-02
- IEC/EN 60335-1 compatible

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#### Marking

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

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#### Delivery Mode

- Single stacking arranged Packing

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#### Ratings & Dimensions:

- Our standard range is from 2.00  $\mu$ F to 20.00  $\mu$ F.
- Other ratings can be made as per customer requirement.
- Dimensions of plastic cans will be as per customer requirement.



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- Wire length available in various sizes and color codes as per customer requirement

#### Electrical Characteristics:

- Reference Standard : IEC 60252-1 2001-02, IS 2993 : 1998
- Rated Capacitance  $C_R$  : As per Dimensions table
- Capacitance tolerance :  $\pm 5\%$
- Rated voltage  $V_R$  : 440Vac
- Rated Frequency  $F_R$  : 50 / 60 Hz
- AC test Voltage terminal to terminal :  $2 \times V_R$ , 2s (Routine test)  
:  $2 \times V_R$ , 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 :  $1 \times 10^{-3}$
- Max rate of change of voltage rise dv/dt : 10 V/ $\mu$ S
- Safety class to IEC 60252-1 2001-02 : P2
- Life Expectancy to IEC 60252 2001 : 440 V/85 °C: 10000 h – Class B

#### 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 / 085 / 21 to IEC 60068-1

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

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

Date: 29.08.2012  
Rev: 00

#### 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 and container dimensions can be changed as per customer requirement