



## Technical Datasheet

### All Polypropylene Power Capacitors (Boxed)

**Item Number :** VAC050513

**Type:** FF (Film Foil)

**Construction:**

- Dielectric: Bi-axially oriented hazy Polypropylene film
- Electrodes: High Purity, Annealed aluminium condenser foil
- External Discharge device: Resistor
- Encapsulation : Under Vacuum
- Container : M.S. Sheet metal ( Enamel paint finish)
- Maximum permissible altitude: 2000m above mean sea level
- Impregnant: Non-PCB oil

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**Terminals:**

- Tin Plated Brass terminals.

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**Typical Applications:**

- For Industrial Power factor correction applications

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**Features:**

- Conforms to IS 2834-1996 / IS 13585 – 1994
- Long Capacitor Life
- Over Current : 2\* In
- NPCB(Non- polychlorinated biphenyl) compliant

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**Safety Features:**

- Degree of Protection: IP 20
- Discharge Device
- Internal fuses

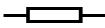
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**Installation Features:**

- Vertically mounted with terminal position upward.

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**Marking / Identification Label**

- |  |                     |
|--|---------------------|
| ▪ Viz logo   | Rated Frequency     |
| ▪ Single phase / 3 Phase   | Serial number       |
| ▪ Rated voltage  | Rated Kvar          |
| ▪ Rated Current  |                     |
| ▪ Discharge Device :  | Date of Manufacture |

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**Delivery Mode:**

- Single stacking arranged Packing



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#### Electrical Characteristics:

▪ Reference Standard	: IS 2834-1996 / IS 13585 – 1994
▪ Rated Kvar	: 5 KVAR To 30 KVAR ( Other ratings on request)
▪ No of Phases	: 3Ø
▪ Capacitance tolerance	: -5 To + 10 %
▪ Rated voltage $V_R$	: 415 Vac To 440 Vac ( Other ratings on request)
▪ Peak transient over current I	: $\leq 300 I_n$ times rated current
▪ Rated Frequency $F_R$	: 50 / 60 Hz
▪ AC test Voltage terminal to terminal	: $2.15 \times V_R$
▪ AC test Voltage terminal to case	: 3.6 KV AC
▪ Losses (tan $\delta$ ) Total	: $\leq 1.0 W / KVAR$
▪ Temperature Category	: - 25 / D ( Maximum 55 deg C)
▪ Over Current	: $2.0 * I_n$
▪ Over Voltage	: $1.1 * V_n$ Continuous

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

Date: 05.05.2013  
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#### Important notes:

1. KVAR ratings and rated voltages can be customized as per customer requirement.
2. 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.
3. Please check the product descriptions and specifications mentioned in this datasheet are still applicable before or when you place an order.
4. Ratings and container dimensions can be changed as per customer requirement