

Technical Datasheet

MPP Film Power Factor Correction Capacitors (Cylindrical)

Item Number / Code:

Construction

- Dielectric: Metallized Polypropylene film
- Electrode: Metallized Film
- Connection: //
- External Discharge device: Resistor
- Encapsulation: Jelly Oil
- Aluminium Container
- RoHS Compliant

Terminals:

- Screw / Pin type Finger proof terminals (IP 20)

Typical Applications:

- For Industrial Power factor correction applications.


Features:

- Low dissipation factor
- Conforms to IEC 60831-1+2:2014 & IS 13340:2012
- Naturally air cooled (or forced air cooling)
- Indoor mounting
- High insulation resistance
- NPCB(Non-Polychlorinated biphenyl) compliant

Safety:

- Over pressure disconnecter (Burst Proof)
- Self-healing properties
- Protection: IP 20

Marking / Identification Label

- | | |
|--|-----------------------------------|
| • Tibcon logo | Rated Kvar |
| • Rated voltage | Rated Frequency |
| • Rated Current | 1Ø Phase |
| • Connection // | SH- MPP |
| • Discharge Device :  | Over pressure Disconnecter \neq |
| • Date of Manufacture | Temperature Category |
| • CE Marking | Serial Number |

Delivery Mode

- Sequential arranged Packing

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Electrical Characteristics:

• Reference Standard	: IEC:60831-1+2 & IS:13340/41
• Rated Kvar	: 0.25 Kvar to 5 Kvar
• No of Phases	: 1Ø
• Capacitance tolerance	: -5 To + 10 %
• Rated voltage VR	: 230 Vac
• Inrush current	: Up to 200* IR
• Over Voltage Vmax	: VR x 1.1 (Continuous)
• Over Current I max	: Up to 1.3 * IR
• Rated Frequency FR	: 50 Hz
• AC test Voltage terminal to terminal	: 2.15 x VR ,2s (Routine test) : 2.15 x VR ,10s (Type test)
• AC test Voltage terminal to case	: 3 KV AC , 10s
• Insulation Resistance R is at 20°C,	: 3000 s
• Relative Humidity	: 95 %
• Discharge time	: < 50 V within 60 seconds.
• Losses (tan δ)	: 0.3 W / KVAR (without discharge resistors)
• Temperature Category	: -25 / D OR - 40 / D (As per Customer specifications)
• Maximum Operating Temperature	: 55 °C
• Maximum Case Temperature	: 65°C
• Storage Temperature	: - 40°C to +65°C
• Type of Terminals	: Screw/ Pin type Finger proof terminals
• Mounting Position	: Vertical
• Mean Life Expectancy	: > 100,000 hrs (Temp.Cat -25 / D) : > 80,000 hrs (Temp.Cat - 40 / D)

Authorised by: Design & Development Dept
Tibrewala Technologies Ltd

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Important note:

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Sr.No.	Kvar	Voltage	Amps	Al Can Size (mm)	Total Height with Stud (mm)	Figure
1	0.25	230	1.08	63.5X87	145	A
2	0.5	230	2.17	63.5X87	145	A
3	1.0	230	4.35	63.5X87	145	A
4	1.5	230	6.52	63.5X145	205	A
5	2.5	230	10.9	63.5X145	205	A
6	5.0	230	21.8	76X210	263	B

Capacitor Drawing:
