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 Oíl
- Aluminium Container
- RoHS Compliant

Terminals:

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

Typical Applications:

- For Industrial Power factor correction applications

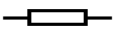
Features:

- 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 disconnector (Burst Proof)
- Self-healing properties
- Protection: IP 20

Marking / Identification Label

- Tibcon logo
- Rated voltage
- Rated Current
- Connection //
- Discharge Device : 
- Date of Manufacture
- CE Marking

Rated Kvar
Rated Frequency
1Ø Phase
SH- MPP
Over pressure Disconnector ≠
Temperature Category
Serial Number

Delivery Mode

- Sequential arranged Packing

Technical Datasheet

MPP Film Power Factor Correction Capacitors (Cylindrical)

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 (Continuos)
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 20ºC,	: 3000 s
Relative Humidity	: 95 %
Discharge time	: < 50 V within 60 seconds.
Losses (tan δ)	: 0.3 W / KVAr (without discharge resistors) : 0.45 W / KVAr (with discharge resistors)
Temperature Category	: -25 / D OR - 40 / D (As per Customer
Maximum Operating Temperature	specifications) : 55 °C
Maximum Case Temperature	: 65°C
Storage Temperature	: - 40°C to +60°C
Type of Terminals	: Screw/ Pin type Finger proof terminials
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

Date: 17.06.2021
Rev: 01

Important note:

This data sheet is the sole property of TIBREWALA ELECTRONICS LTD. and content of this datasheet thereof must not be imparted to third party nor be used for any unauthorized purpose without written permission from the authorities.

Technical Datasheet

MPP Film Power Factor Correction Capacitors (Cylindrical)

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	3.0	230	13.05	63.5X145	205	A
7	5.0	230	21.8	76X210	263	B

Capacitor Drawing:

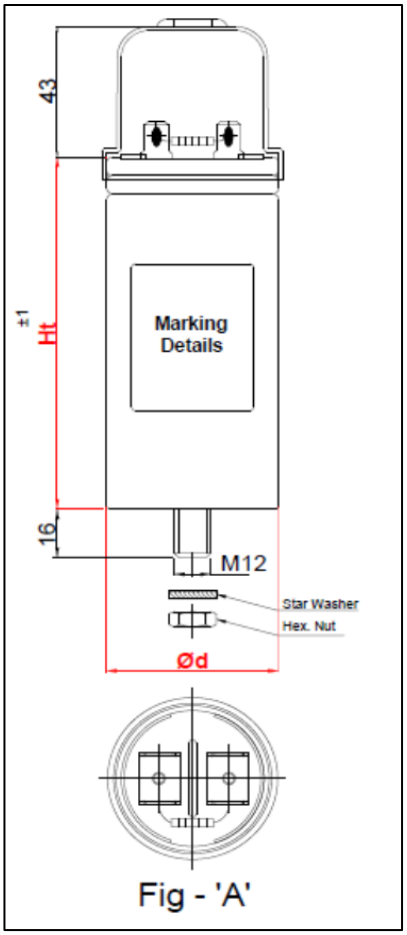


Fig - 'A'

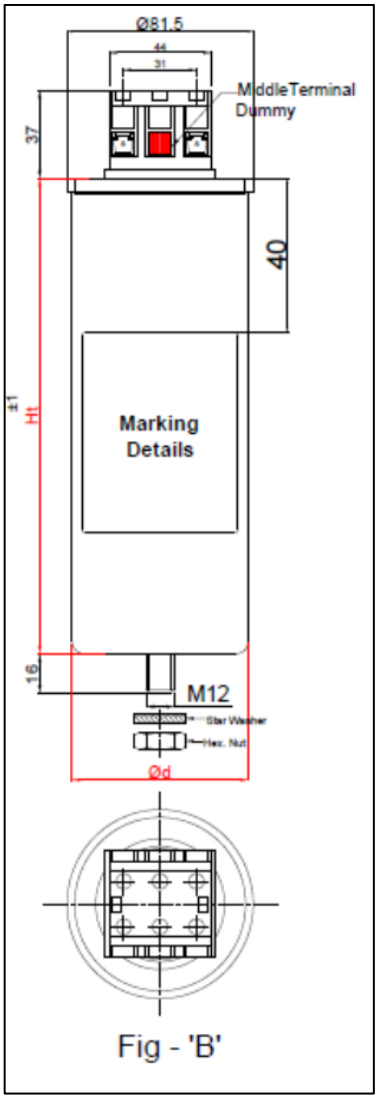


Fig - 'B'