



Versions of S.M Snubber Capacitors

MPR High performance Insulated Gate Bipolar Transistor IGBT-snubber capacitors

MPF Smooth Frequency, Large Current Snubber, Shock Absorber, IGBT Snubber Capacitors
 MPR High Efficiency Switches, High Frequency Vibration

Technical Data

- 01.Dielectric: Polypropylene film.
- 02.Encapsulation: Flame-retardent plastic case, UL 94 V-0,
- 03.With epoxy resin seal: Black.
- 04.Temperature range: 25 C to +100 °C
- 05.Capacitance range: 0.1 ~ 4.7 μF.
- 06.Rated working voltage range: 1000V, 1200V, 1600V DC
- 07.Test category: 25/100/21 in accordance with IEC
- 08.DAMP-HEAT TEST: Capacitor are subjected to an environmental test chamber at R.H. 90 to 95 %, operating temperatures for 240 hours.
 After the test, capacitor shall be conditioned at room temperature for 2 hours and meet the following criteria

- (A) Capacitance change shall be less than 3 %.
- (B) Dissipation factor shall be less than 0.2 %.
- (C) Insulation resistance shall be over 50 % of the minimum requirement.
- 09.Insulation resistance (IR) at +25 °C:
 Measurement shall be mad at 25 °C after applyingfor 60 Sec, at 1000VDC, Above 20,000 Ω.F.
- 10.Dissipations factors at +25 °C (tan θ) : 0.1 % MAX.
 When measured at 1 KHZ.
- 11.Capacitance tolerances: ± 5 %.
- 12.Test voltage: 2.5 Ur, 2 sec.
- 13.PULL TEST: Will sustain 2 Kg steady pull in the direction of lead egress and 1 Kg steady pull at any 90 degree angle for 60 seconds. After test, capacitor shall show no evidence of damage and pass all electrical requirements.

Capacitance μF	1000VDC			1200VDC			1600VDC		
	T	H	L	T	H	L	T	H	L
0.1							15.5	28.0	38.0
0.15							17.5	29.5	38.0
0.22				15.5	28.0	38.0	20.5	30.0	38.0
0.33	15.5	28.0	38.0	17.5	29.5	38.0	24.5	35.5	38.0
0.47	17.0	29.0	38.0	20.5	30.0	38.0	27.0	39.0	45.5
0.68	20.5	30.0	38.0	22.0	35.5	38.0	28.0	39.0	60.0
1.0	24.5	35.5	38.0	27.0	39.0	45.5	33.5	48.0	60.0
1.5	27.0	39.0	45.5	28.0	39.0	60.0	38.5	54.0	60.0
2.0	28.0	39.0	60.0	28.0	39.0	60.0			
2.2	28.0	39.0	60.0	33.5	48.0	60.0			
3.0	33.5	48.0	60.0	38.5	54.0	60.0			
3.3	33.5	48.0	60.0	38.5	54.0	60.0			
4.0	38.5	54.0	60.0						
4.7	38.5	54.0	60.0						

● Dims. in mm. ● On ordering please state the required version and box size. ● Versions and dimensional drawings see D/N.