

Snubber Capacitors for IGBT MPAPB Series

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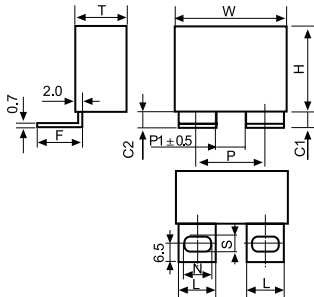
Features

- Widely used in high voltage and high frequency circuits.
- Low loss and small inherent temperature rise.
- Excellent active and passive flame resistant circuit.

Specifications

Reference Standard	: GB/T17702 (IEC 61071)
Climatic Category	: 40/85/56
Operating Temperature Range	: -40°C +85°C
Rated Voltage	: 1200V DC
Capacitance Range	: 0.47μF to 4.7μF
Capacitance Tolerance	: ±5%(J)
Voltage Proof	: 1.6U _N (10s)
Dissipation Factor	: ≤ 0.0005 (1kHz, 20°C)
Insulation Resistance	: ≥ 100000MΩ, C _n ≤ 0.33μF (20°C, 100V DC, 1min) ≥ 30000s C _n > 0.33μF (20°C, 100V DC, 1min)
Expected Lifetime	: ≥ 100000Hrs @ U _N , Θ _{hs} =70°C

Diagram



L x F x N x S=14.0 x 16.0 x 10.2 x 6.2

Specification Table

Part Number	Irms	Peak	ESR (Typical)	ESL	dv/dt	W	H	T
	10kHz	Current	100kHz					
	A @ 70°C	A	mΩ @ 70°C					
MPAPB1K2P47J0M6	15	470	7.7	40	1000	42.5	28	24.5
MPAPB1K2W10J0M6	25	1000	3.8	36	1000	43	36	34
MPAPB1K2W22J0M6	28	1320	3.8	45	600	57.5	45	30
MPAPB1K2P47J3M6	15	470	7.7	40	1000	42.5	27.5	24.5
MPAPB1K2P82J0M6	18	779	4	29	1000	42.5	27	33.5
MPAPB1K2W15J0M6	32	1500	2.6	43	1000	42.5	45	33
MPAPB1K2W47J0M6	15	470	7.7	40	1000	57.5	55	45

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Part Number Table

Description	Part Number
Snubber Capacitor, 0.47 μ F, 1.2kV, \pm 5%, Screw Mount	MPAPB1K2P47J0M6
Snubber Capacitor, 1 μ F, 1.2kV, \pm 5%, Screw Mount	MPAPB1K2W10J0M6
Snubber Capacitor, 2.2 μ F, 1.2kV, \pm 5%, Screw Mount	MPAPB1K2W22J0M6
Snubber Capacitor, 0.47 μ F, 1.2kV, \pm 5%, Screw Mount	MPAPB1K2P47J3M6
Snubber Capacitor, 0.82 μ F, 1.2kV, \pm 5%, Screw Mount	MPAPB1K2P82J0M6
Snubber Capacitor, 1.5 μ F, 1.2kV, \pm 5%, Screw Mount	MPAPB1K2W15J0M6
Snubber Capacitor, 4.7 μ F, 1.2kV, \pm 5%, Screw Mount	MPAPB1K2W47J0M6

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