

Snubber Capacitors for IGBT MPAPB Series

multicomp PRO



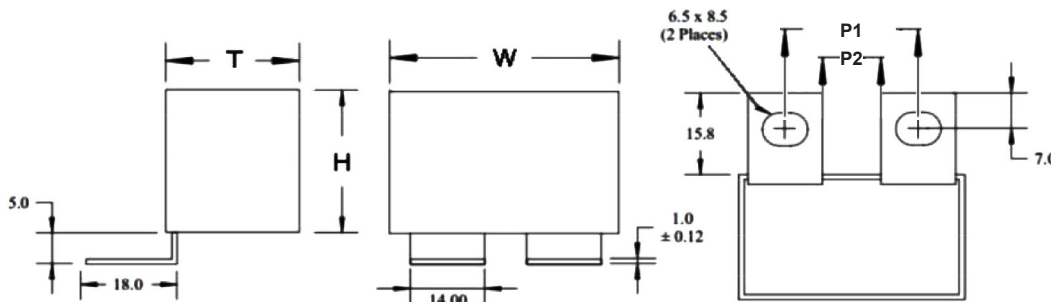
Features

- 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 | : 1.6UN (10s) |
| Dissipation Factor | : ≤ 0.0005 (1kHz, 20°C) |
| Insulation Resistance | : ≥ 100000MΩ, Cn ≤ 0.33uF (20°C, 100V DC, 1min) ≥ 30000s Cn > 0.33uF (20°C, 100V DC, 1min) |
| Expected Lifetime | : ≥ 100000Hrs @ UN, Θ _{hs} =70°C |

Diagram



Dimensions : Millimetres

Specification Table

| Part Number | Irms | Peak | ESR (Typical) | ESL | dv/dt | W | H | T | P1±1 | P2±1 |
|-----------------|----------|---------|---------------|-----|-------|------|------|------|------|------|
| | 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 | 25 | 10.5 |
| 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 | - | - |

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

multicomp PRO

Snubber Capacitors for IGBT

MPAPB Series

multicomp PRO

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 |

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

multicomp PRO