

EMP Protector 3402.27.0001

Description

GDT technology up to 2.5 GHz

Benefits

Broad-band design
DC continuity for remote powering
The protector can also be installed reversely
Delivered without gas discharge tube
Data refer to GDT 9071.99.0547, 230 V
Compliant to IEC 61643-21



Product Configuration

| | |
|------------------------|---|
| Main path connectors | Port 1: <u>unprotected</u> , TNC jack (female) - Port 2: <u>protected</u> , TNC jack (female) |
| Mounting and grounding | MH25 (bulkhead mounting), brk (bracket) |
| Side of bulkhead | protected side |

Technical Data

Electrical Data

| | | |
|-----------------|----------------|----------------|
| Impedance | 75 Ω | |
| Frequency range | 0 - 2000 MHz | 0 - 1500 MHz |
| Return loss | ≥ 15.5 dB | ≥ 16.5 dB |
| Insertion loss | ≤ 0.2 dB | ≤ 0.2 dB |
| RF CW power | ≤ 100 W | ≤ 100 W |
| PIM 3rd order | not specified | not specified |

| | |
|-----------------------------------|---|
| Surge current handling capability | 30 single / 20 multiple kA (test pulse 8/20 μ s) |
| Residual pulse energy | 350 μ J typically (test pulse 4 kV 1.2/50 μ s / 2 kA 8/20 μ s) main path - protected side |

Mechanical Data

| | |
|-------------------|-------|
| Number of matings | 500 |
| Weight | 112 g |

Environmental Data

| | |
|--|--|
| Operating temperature | -40 °C to +85 °C |
| Waterproof degree | IP65 (according to IEC 60529, data refer to the coupled state) |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant |

Material Data

| Piece Parts | Material | Surface Plating |
|-----------------------|------------------------|--|
| Housing | Brass | SUCOPLATE (R) Plating |
| Port 1 center contact | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Port 2 center contact | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |

Related Documents

| | |
|----------------------|----------------|
| Outline drawing | DOU-00004100 |
| Mounting instruction | DOC-0000176104 |

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