

## EMP Protector 3404.26.0002

### Description

Miniature GDT technology

#### Benefits

DC continuity for remote powering

The protector can also be installed reversely

Fix installed GDT, static sparkover-voltage nom. 200 V

Compliant to IEC 61643-21



### Product Configuration

Main path connectors  
Mounting and grounding

Port 1: unprotected, TNC jack (female) - Port 2: protected, TNC jack (female)  
MH4 (bulkhead mounting), brk (bracket)

### Technical Data

#### Electrical Data

|                 |                |                |
|-----------------|----------------|----------------|
| Impedance       | 50 $\Omega$    |                |
| Frequency range | 0 - 2000 MHz   | 0 - 1000 MHz   |
| Return loss     | $\geq 16.5$ dB | $\geq 23.1$ dB |
| Insertion loss  | $\leq 0.3$ dB  | $\leq 0.15$ dB |
| RF CW power     | $\leq 12$ W    | $\leq 25$ W    |
| PIM 3rd order   | not specified  | not specified  |

Surge current handling capability  
Residual pulse energy

2.5 multiple kA (test pulse 8/20  $\mu$ s)  
250  $\mu$ J typically (test pulse 4 kV 1.2/50  $\mu$ s / 2 kA 8/20  $\mu$ s) main path - protected side

#### Mechanical Data

|                   |      |
|-------------------|------|
| Number of matings | 500  |
| Weight            | 28 g |

#### Environmental Data

|                                                      |                                                                |
|------------------------------------------------------|----------------------------------------------------------------|
| Operating temperature                                | -40 °C to +85 °C                                               |
| Waterproof degree                                    | IP20 (according to IEC 60529, data refer to the coupled state) |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant acc. Annex III                                       |

#### 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-00057114.1 |
| Mounting instruction | DOC-0000176104 |

### Remarks

- max power : DC= 50W
- current rating (DC) 2.5A
- insulation resistance min. (at 50V) 100MOhm
- DC sparkover voltage: 230V +- 20V
- impulse sparkover voltage: typ. <1500V (at 1kV/ns)

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