

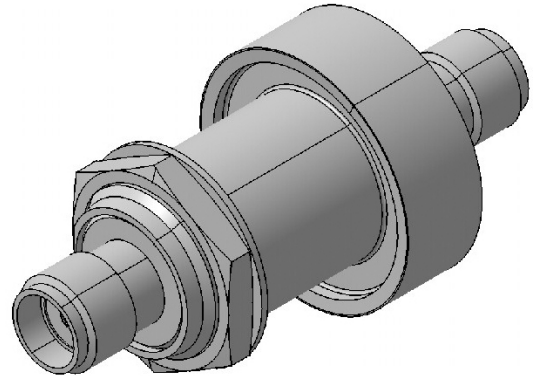
## EMP Protector 3406.19.0003

### Description

Slim Line GDT technology

#### Benefits

Broad-band design  
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 Port 1: unprotected, SMA jack (female) - Port 2: protected, SMA jack (female)  
Mounting and grounding MH3 (bulkhead mounting), brk (bracket)

### Technical Data

#### Electrical Data

|                                   |                                                                                                       |               |                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------------|---------------|-----------------|
| Impedance                         | 50 $\Omega$                                                                                           |               |                 |
| Frequency range                   | 0 - 5800 MHz                                                                                          | 0 - 5600 MHz  | 5600 - 5800 MHz |
| Return loss                       | $\geq 18.5$ dB                                                                                        | $\geq 20$ dB  | $\geq 18.5$ dB  |
| Insertion loss                    | $\leq 0.2$ dB                                                                                         | $\leq 0.2$ dB | $\leq 0.2$ dB   |
| RF CW power                       | $\leq 60$ W                                                                                           |               |                 |
| PIM 3rd order                     | not specified                                                                                         |               |                 |
| Surge current handling capability | 10 single / 5 multiple kA (test pulse 8/20 $\mu$ s)                                                   |               |                 |
| Residual pulse energy             | 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            | 24 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                  | Silver / Gold 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-00004280.1 |
| Mounting instruction | DOC-0000176104 |

### Remarks

Waterproof degree for unprotected side in mated condition: IP65 acc. IEC 60529.