# **Data Sheet**



## **EMP Protector** 3400.41.0217

## **Description**

Quarter-wave stub technology

#### **Benefits**

Multi-band operation The protector can also be installed reversely Compliant to IEC 61643-21



## **Product Configuration**

Main path connectors Mounting and grounding Side of bulkhead

Port 1: unprotected, 7/16 plug (male) - Port 2: protected, 7/16 jack (female) MH74 (bulkhead mounting), M8 (screw), brk (bracket)

protected side

#### **Technical Data**

**Electrical Data** 

Impedance 50 Ω Frequency range

698 - 2500 MHz 806 - 960 MHz 1710 - 2500 MHz Return loss ≥ 20 dB ≥ 26 dB ≥ 26 dB ≤ 0.15 dB ≤ 0.15 dB ≤ 0.15 dB Insertion loss RF CW power ≤ 3000 W ≤ 1500 W ≤ 1500 W PIM 3rd order not specified -150 dBc typ. -150 dBc typ.

80 multiple kA (test pulse 8/20 µs)

Surge current handling capability

Residual pulse energy

10  $\mu J$  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 500 515 g Weight

**Environmental Data** 

Operating temperature -40 °C to +85 °C

IP65 (according to IEC 60529, data refer to the coupled state) Waterproof degree

2011/65/EU (RoHS - including compliant

2015/863 and 2017/2102)

## **Material Data**

Piece Parts	Material	Surface Plating
Housing	Brass	SUCOPLATE (R) Plating
Port 1 center contact	Brass	Silver Plating
Port 2 center contact	Copper Beryllium Alloy	Silver Plating

#### **Related Documents**

Outline drawing DOU-00044616.1 DOC-0000176104 Mounting instruction

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