

EMP Protector
3407.17.0089**Description**

Quarter-wave stub technology with integrated high-pass filter

Benefits

Broad-band design

Mounting screw set included

The protector can also be installed reversely

Compliant to IEC 61643-21

**Product Configuration**

Main path connectors	Port 1: <u>unprotected</u> , N jack (female) - Port 2: <u>protected</u> , N jack (female)
Mounting and grounding	MH74 (bulkhead mounting), M8 (screw), brk (bracket)
Side of bulkhead	protected side

Technical Data**Electrical Data**

Impedance	50 Ω
Frequency range	74 - 420 MHz
Return loss	≥ 23.1 dB
Insertion loss	≤ 0.15 dB
RF CW power	≤ 500 W
PIM 3rd order	not specified

Surge current handling capability	50 multiple kA (test pulse 8/20 μ s)
Residual pulse energy	0.1 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	680 g

Environmental Data

Operating temperature	-40 °C to +85 °C
Waterproof degree	IP67 (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
Port 2 center contact	Copper Beryllium Alloy	Gold Plating

Related Documents

Outline drawing	DOU-00201949
Mounting instruction	DOC-0000176104

Remarks

SPD acc. EN 61643-21 category D1, high energy test 20 kA, 10/350 μ s

Mounting screw set 9075.99.0108 included: (threaded stud M8, length 30mm, hexagonal nut M8, washer and tooth washer)