Data Sheet

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: unprotected, N jack (female) - Port 2: protected, 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 µs)
Residual pulse energy	0.1 µJ typically (test pulse 4 kV 1.2/50 µs / 2 kA 8/20 µs) 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 categoriy D1, high energy test 20 kA, 10/350 us
Mounting screw set 9075.99.0108 included: (threaded stud M8, length 30mm, hexagonal nut M8, washer and tooth washer)

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.