

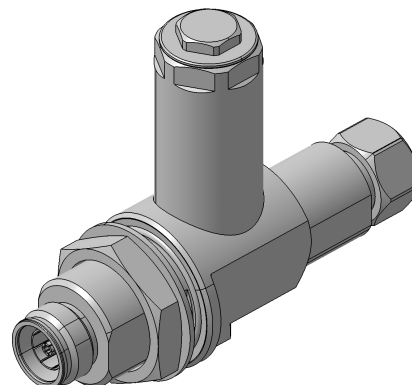
EMP Protector 3409.31.0001

Description

High-power/low-IM GDT hybrid technology

Benefits

Multi-band operation
DC continuity for remote powering
The protector can also be installed reversely
AISG compliant for 2.176 MHz carrier
Replaceable GDT 9071.99.0548, (90 V) included
Mounting screw set 9075.99.0023 included
Compliant to IEC 61643-21



Product Configuration

Main path connectors	Port 1: <u>unprotected</u> , 4.3-10 plug (male) - Port 2: <u>protected</u> , 4.3-10 jack (female)
Mounting and grounding	MH110 (bulkhead mounting), M8 (screw), brk (bracket)
Side of bulkhead	protected side

Technical Data

Electrical Data

Impedance	50 Ω	
Frequency range	10 MHz	690 - 2700 MHz
Return loss	18 dB typ.	≥ 24 dB
Insertion loss	0.1 dB typ.	≤ 0.1 dB
RF CW power		≤ 1500 W
PIM 3rd order		-160 dBc max.
DC supply voltage	≤ 48 V	
DC current	≤ 13 A	
Surge current handling capability	30 single / 20 multiple kA (test pulse 8/20 μ s)	
Residual pulse energy	350 μ J typically (test pulse 4 kV 1.2/50 μ s / 2 kA 8/20 μ s)	main path - protected side

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	Brass	Silver Plating
Port 2 center contact	Bronze	Silver Plating

Related Documents

Outline drawing	DOU-00257737
Mounting instruction	DOC-0000176104