Data Sheet

EMP Protector 3409.41.0090

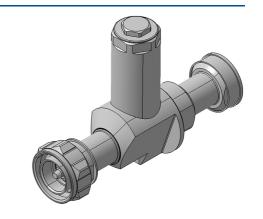


Description

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 Compliant to IEC 61643-21



Product Configuration

Port 1: unprotected, 7/16 plug (male) - Port 2: protected, 7/16 jack (female) Main path connectors Mounting and grounding MH110 (bulkhead mounting), M8 (screw), brk (bracket)

Side of bulkhead protected side

Technical Data

Electrical Data

Impedance 50 Ω

10 MHz 690 - 2690 MHz Frequency range Return loss 18 dB typ. ≥ 28 dB ≤ 0.1 dB Insertion loss 0.1 dB typ. RF CW power ≤ 1500 W PIM 3rd order

-160 dBc max.

≤ 48 V DC supply voltage DC current ≤ 13 A

Surge current handling capability 30 single / 20 multiple kA (test pulse 8/20 µs)

 $350~\mu J$ typically (test pulse 4 kV 1.2/50 μs / 2 kA 8/20 $\mu s)$ main path - protected side Residual pulse energy

Mechanical Data

Number of matings 500 Weight 510 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) 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-00196615 DOC-0000176104 Mounting instruction

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