Data Sheet

EMP Protector 3409.41.0092

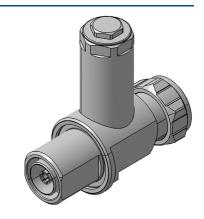
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Description

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

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

Side of bulkhead protected side

Technical Data

Electrical Data

Impedance 50Ω

 Frequency range
 10 MHz
 690 - 2690 MHz

 Return loss
 18 dB typ.
 ≥ 26 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 µs)

Residual pulse energy 350 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 495 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 exempt. 7(b)

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-00205231
Mounting instruction DOC-0000176104

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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