Data Sheet

EMP Protector 3403.17.0069

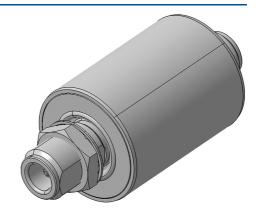


Description

Fine protector hybrid technology

Benefits

Multi-band operation
DC continuity for remote powering
Permanently installed gas discharge tube
Compliant to IEC 61643-21



Product Configuration

Main path connectors Mounting and grounding Side of bulkhead Port 1: unprotected, N jack (female) - Port 2: protected, N jack (female)

MH12 (bulkhead mounting), brk (bracket)

protected side

Technical Data

Electrical Data

Impedance 50 Ω

 Frequency range
 5.5 - 400 MHz 40 - 55 MHz 55 - 400 MHz

 Return loss
 ≥ 10 dB
 ≥ 20 dB
 ≥ 26 dB

 Insertion loss
 ≤ 1 dB
 ≤ 0.25 dB
 ≤ 0.25 dB

 RF CW power
 ≤ 100 W
 ≤ 100 W

PIM 3rd order not specified

DC supply voltage \leq 60 V DC current \leq 4 A

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

Residual pulse energy 60 µJ typically (test pulse 4 kV 1.2/50 µs / 2 kA 8/20 µs) main path - protected side

Mechanical Data

Number of matings 100 Weight 93 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	Aluminium	
Port 1 center contact	Bronze	Gold Plating (without Nickel underplating)
Port 2 center contact	Bronze	Gold Plating (without Nickel underplating)

Related Documents

Outline drawing DOU-00195876
Mounting instruction DOC-0000176104

Remarks

Recommendation: if this protector is mated with connectors made of copper-alloy base material and trimetal or nickel plating the connector area must be taped to improve long-term durability.

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