

EMP Protector 3401.02.A

Description

GDT technology up to 1.0 GHz

Benefits

DC continuity for remote powering
The protector can also be installed reversely
Delivered without gas discharge tube
Data refer to GDT 9071.99.0547, 230 V
Compliant to IEC 61643-21



Product Configuration

Main path connectors	Port 1: <u>unprotected</u> , BNC jack (female) - Port 2: <u>protected</u> , BNC jack (female)
Mounting and grounding	MH12 (bulkhead mounting), brk (bracket)
Side of bulkhead	protected side

Technical Data

Electrical Data

Impedance	75 Ω	
Frequency range	0 - 1000 MHz	0 - 400 MHz
Return loss	≥ 15 dB	≥ 20.8 dB
Insertion loss	≤ 0.2 dB	≤ 0.1 dB
RF CW power	≤ 100 W	≤ 100 W
PIM 3rd order	not specified	not specified

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	79 g

Environmental Data

Operating temperature	-40 °C to +85 °C
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 (without Nickel underplating)
Port 2 center contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)

Related Documents

Outline drawing	DOU-00003897
Mounting instruction	DOC-0000176104

Remarks

Customer part number	NATO: NSN 5920-12-338-0883, 1450-23-113-7610
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