Data Sheet

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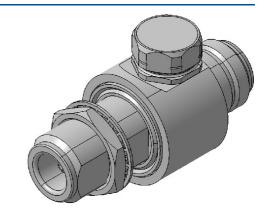
EMP Protector
3401.17.A

Description

GDT technology up to 1.0 GHz

Benefits

Broad-band design

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: unprotected, N jack (female) - Port 2: protected, N jack (female)
Mounting and grounding	MH12 (bulkhead mounting), brk (bracket)
Side of bulkhead	protected side

Technical Data

Electrical Data

Impedance	50 Ω
Frequency range	0 - 1000 MHz
Return loss	≥ 26.44 dB
Insertion loss	≤ 0.1 dB
RF CW power	≤ 150 W
PIM 3rd order	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	110 g

Environmental Data

Operating temperature	-40 °C to +85 °C
Waterproof degree	IP65 (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	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-00003942.1
Mounting instruction	DOC-0000176104

Remarks

Customer part number	NATO: NSN 5820-99-726-4346, 5920-14-516-6621, 5920-17-100-7884, 5920-66-127-4034

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