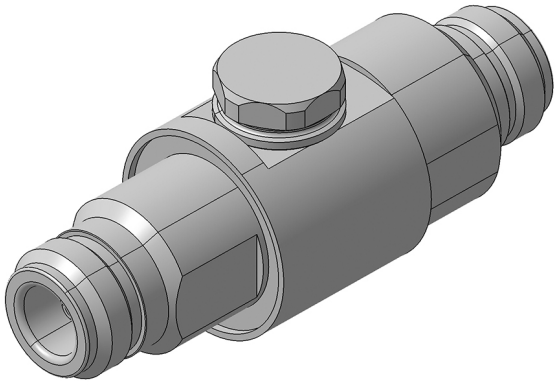
Data Sheet

HUBER+SUHNER

EMP Protector
3402.17.3001

Description

GDT technology up to 3.0 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	MH170 (bulkhead mounting), brk (bracket)
Side of bulkhead	protected side

Technical Data

Electrical Data

Impedance	50 Ω	
Frequency range	0 - 3000 MHz	0 - 2000 MHz
Return loss	≥ 20 dB	≥ 26 dB
Insertion loss	≤ 0.3 dB	≤ 0.2 dB
RF CW power	≤ 150 W	≤ 150 W
PIM 3rd order	not specified	

DC current	≤ 6 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	154 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 - 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-00237017
Mounting instruction	DOC-0000176104

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