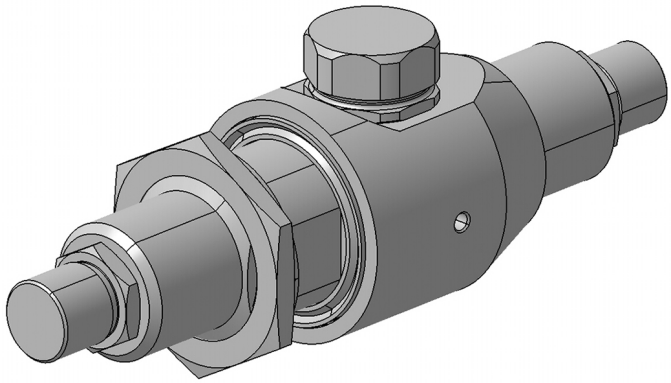
Data Sheet

HUBER+SUHNER

EMP Protector
3402.99.0004

Description

GDT technology up to 2.5 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, F jack (female) - Port 2: protected, F jack (female)
Mounting and grounding	MH25 (bulkhead mounting), brk (bracket)

Technical Data

Electrical Data

Impedance	75 Ω
Frequency range	0 - 1500 MHz
Insertion loss	≤ 0.5 dB
RF CW power	≤ 50 W
PIM 3rd order	not specified
Surge current handling capability	10 single / 5 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

Weight	157 g

Environmental Data

Operating temperature	-40 °C to +85 °C
Waterproof degree	IP54 (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-00004160.1
Mounting instruction	DOC-0000176104

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