Data Sheet

HUBER+SUHNER
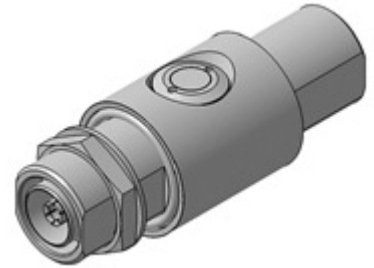
EMP Protector
3407.41.0052

Description

Quarter-wave stub technology with integrated high-pass filter

Benefits

Broad-band design

Space saving inline design

Multi-band operation

Compliant to IEC 61643-21

Product Configuration

Main path connectors	Port 1: <u>unprotected</u>, 7/16 jack (female) - Port 2: <u>protected</u>, 7/16 jack (female)
Mounting and grounding	MH110 (bulkhead mounting), M6 (screw), brk (bracket)
Side of bulkhead	protected side
Design speciality	inline design

Technical Data

Electrical Data

Impedance	50 Ω	
Frequency range	690 - 2700 MHz	690 - 2500 MHz
Return loss	≥ 23 dB	≥ 26 dB
Insertion loss	≤ 0.1 dB	≤ 0.1 dB
RF CW power	≤ 500 W	≤ 500 W
PIM 3rd order	-155 dBc typ.	-155 dBc typ.
Surge current handling capability	25 single / 20 multiple kA (test pulse 8/20 µs)	
Residual pulse energy	0.03 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	621 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 acc. Annex III

Material Data

Piece Parts	Material	Surface Plating
Housing	Brass	SUCOPLATE (R) Plating
Port 1 center contact	Brass	Silver Plating
Port 2 center contact	Bronze	Silver Plating

Related Documents

Outline drawing	DOU-00227975
Mounting instruction	DOC-0000176104

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