

# HUBER+SUHNER® DATA SHEET

## EMP Protector: 3407.41.0039

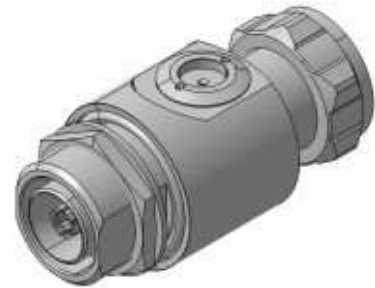


### Description

Quarter-wave stub technology with integrated high-pass filter

### Benefits

**Broad-band operation**  
**Space saving inline design**  
**Compliant to IEC 61643-21**



### Product Configuration

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

### Technical Data

#### Electrical Data

Impedance	50 Ω
Frequency range	806 to 2500 MHz
Return loss	≥ 26 dB
Insertion loss	≤ 0.1 dB
RF CW power	≤ 500 W
PIM 3 <sup>rd</sup> order	-150 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

#### Environmental Data

Operating temperature	-40 °C to +85 °C
Waterproof degree	IP 65 (according to IEC 60529, data refer to the coupled state)
2002/95/EC (RoHS)	Telecom compliant

#### Material Data

##### Piece Parts

	Material	Surface Plating
Housing	Brass	SUCOPLATE (R) Plating
Port 1 center contact	Brass	Silver Plating
Port 2 center contact	Copper Beryllium Alloy	Silver Plating

#### Related Documents

Outline drawing	DOU-00019492.1
Mounting instruction	DOC-0000176104

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

#### WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical contained specifications and/or the fitness for any particular purpose. The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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