Data Sheet

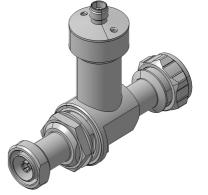
EMP Protector 3410.41.0039

Description

High-power/low-IM GDT hybrid technology with bias-T

Benefits

Broad-band design Replaceable GDT 9071.99.0548, (90 V) included AISG compliant for 2.176 MHz carrier Mounting screw set included Compliant to IEC 61643-21



Product Configuration

NA-1	Build and the T(0 build (see b)). Build and the T(0 build (see b))
Main path connectors	Port 1: <u>unprotected</u> , 7/16 jack (female) - Port 2: <u>protected</u> , 7/16 plug (male)
DC injection port connector	Port 3: TNC jack (female)
Mounting and grounding	MH110 (bulkhead mounting), M8 (screw), brk (bracket)
Side of bulkhead	unprotected side

Technical Data

Electrical Data

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Material Data			
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant		
Waterproof degree	IP67 (according to IEC 60529, data refer to the coupled state)		
Operating temperature	-40 °C to +85 °C		
Environmental Data			
Weight	570 g		
Number of matings	500		
Mechanical Data			
	300 µJ typically (te	st pulse 4 kV 1.2/50 μs / 2 kA 8/20 μs) DC injection port	
Residual pulse energy	20 μJ typically (test pulse 4 kV 1.2/50 μs / 2 kA 8/20 $\mu s)$ main path - protected side		
Surge current handling capability	30 single / 20 multiple kA (test pulse 8/20 µs)		
DC injection current	≤ 3.5 A		
DC supply voltage	≤ 48 V		
DC Injection port decoupling	≥30 dB		
PIM 3rd order		-155 dBc max.	
RF CW power		≤ 500 W	
Insertion loss	0.2 dB typ.	≤ 0.2 dB	
Return loss	20 dB typ.	≥ 26 dB	
Frequency range	2.176 MHz	690 - 2700 MHz	
Impedance	50 Ω		
Frequency range	2.176 MHz		

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

Related Documents

Outline drawing Mounting instruction DOU-00275723 DOC-0000471434

Remarks

- Supports DC feed and AISG signal between port 3 and port 1

- Resistance DC injection por 3: < 10 mOhm

- Recommended port 3 cabel assembly material:



Data Sheet

HUBER+SUHNER

EMP Protector 3410.41.0039

connector: 11_TNC-50-2-27 (84101205) and heat shrink tubing: (90056301)

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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