Data Sheet

EMP Protector 3409.41.0044-EX

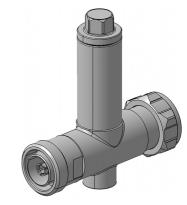
Description

High-power/low-IM GDT hybrid technology

Benefits

Self-extinguishing Semper functionality AISG compliant for 2.176 MHz carrier Broad-band design DC continuity for remote powering The protector can also be installed reversely Replaceable GDT unit 9071.99.0748, (90V) included Compliant to IEC 61643-21

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Product Configuration

Main path connectorsPort 1: unprotected, 7/16 plug (male) - Port 2: protected, 7/16 jack (female)Mounting and groundingM8 (screw), brk (bracket)

Technical Data

Electrical Data					
Impedance	50 Ω				
Frequency range	2.176 MHz	806 - 2500 MHz	806 - 960 MHz	1710 - 2500 MHz	
Return loss	20 dB typ.	≥ 20.8 dB	≥ 26 dB	≥ 26 dB	
Insertion loss	0.1 dB typ.	≤ 0.15 dB	≤ 0.15 dB	≤ 0.15 dB	
RF CW power		≤ 1500 W	≤ 3000 W	≤ 1500 W	
PIM 3rd order		-150 dBc typ.	-150 dBc typ.	-150 dBc typ.	
DC supply voltage	≤ 48 V				
DC current	≤ 2.5 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				
Turn-off time	20 s typically at 2.0 A and 25 °C ambient temperature < 40 s typically below 1 A and 25 °C ambient temperature				
Recovery time	7 s at 25 °C ambient temperature				
Mechanical Data					
Number of matings	500				
Weight	407 g				
Environmental Data					
Operating temperature	-40 °C to +85 °C (Lightning protection functionality)				
	-20 °C to +85 °C (SEM		/		
Waterproof degree	IP66 (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	Copper Beryllium Alloy	Silver Plating

Related Documents

Outline drawing Mounting instruction DOU-00004576.1 DOC-0000176104

Remarks

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

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