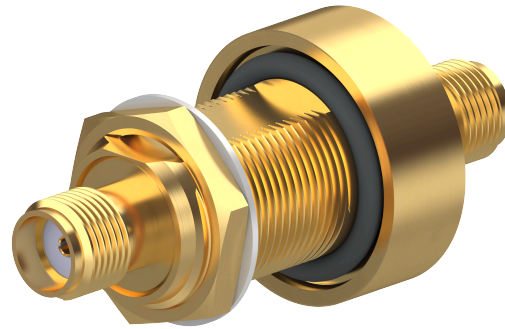


COAXIAL SURGE PROTECTOR DEVICE, Slim Line GDT technology

3406.19.0003

Properties

- Slim in-line design
- Broadband operation from DC up to 5.8 GHz
- DC continuity for remote powering
- Permanently installed gas discharge tube
- RF power up to 60W max.



Product configuration	
Main path connectors	Port 1: unprotected, SMA jack (female) Port 2: protected, SMA jack (female)
Mounting and grounding	MH3 (bulkhead mounting)
Side of bulkhead	protected side
Inline design	YES
EMP can be install reversed	YES

Interface and material data	
Housing material / plating	Brass / Silver / Gold Plating
Center contact, material / plating	Port 1: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)
	Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)

Electrical data	
Impedance	50 Ω
Frequency frame	0 MHz to 5800 MHz
Return loss typical	≥ 18.5 dB
Insertion loss typical	≤ 0.2 dB
CW power frame	≤ 60 W
Static spark voltage	200 V, +/- 25 % (@ 100 V/s)
Residual pulse energy (typ.)	250 μ J (test pulse 4 kV 1.2/50 μ s; 2 kA 8/20 μ s)
Surge current handling capability	10 kA single, 5 kA multiple (test pulse 8/20 μ s)

Electrical bands		
	Range 1	Range 2
Frequency range	0 MHz ... 5600 MHz	5600 MHz ... 5800 MHz
Return loss typical	≥ 20 dB	≥ 18.5 dB

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Electrical bands		
	Range 1	Range 2
Insertion loss	≤ 0.2 dB	≤ 0.2 dB

Electrical remarks	
Gas tube	Yes DC, GDT included, not replaceable

Mechanical data	
Weight	24 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	IP20
Thermal shock according	MIL-STD-202, Method 107, Cond. B
Vibration according	MIL-STD-202, Method 204, Cond. D
Moisture resistance according	MIL-STD-202, Method 106

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
23026308	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead

Comment	
	Waterproof degree for unprotected side in mated condition: IP65 acc. IEC 60529.

Ordering Information Table	
Item number	Item description
23026308	3406.19.0003

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