

COAXIAL SURGE PROTECTOR DEVICE, Slim Line GDT technology

3406.17.0012

Properties

- Slim in-line design
- Broadband operation from DC up to 6 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, N plug (male) Port 2: protected, N jack (female)
Mounting and grounding	MH24 (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: Brass / 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 6000 MHz
Return loss typical	15 dB
Insertion loss typical	0.3 dB
CW power frame	50 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	20 dB	18.5 dB
Insertion loss	0.2 dB	0.2 dB

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Electrical remarks	
Gas tube	Yes DC, GDT included, not replaceable
Mechanical data	
Weight	84 g
Mating cycles	500
Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85°C
Ingress protection (IP Rating)	IP67
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
Comment	
	Return Loss 5600 - 5800 MHz typ > 20 dB
Ordering Information Table	
Item number	Item description
23026117	3406.17.0012

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