

COAXIAL SURGE PROTECTOR DEVICE, Miniature GDT technology

3404.00.0006

Properties

- Broadband frequency range from DC to 3 GHz
- Space saving inline design
- DC continuity for remote powering
- Fix installed GDT, static spark over-voltage nom. 150 V

**Product configuration**

Main path connectors	Port 1: unprotected, TNC jack (female) Port 2: protected, MCX jack (female)
Mounting and grounding	MH4 (bulkhead mounting)
Side of bulkhead	protected side

Interface and material data

Housing material / plating	Brass / SUCOPLATE (R) 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 2000 MHz
Return loss typical	16.54 dB
Insertion loss typical	0.6 dB
CW power frame	≤ 12 W
Peak power frame	≤ 50 W
Static spark voltage	230 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	2.5 kA multiple (test pulse 8/20 μ s)

Electrical bands

	Range 1
Frequency range	0 MHz ... 1000 MHz
Return loss	26.44 dB
Insertion loss	0.3 dB

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Electrical bands	
	Range 1
Power avg. / peak	25 W / -
Electrical remarks	
DC current	2.5 A
Gas tube	Yes DC, GDT included, not replaceable
Mechanical data	
Weight	17 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
Comment	
	Recommended mounting torque: 5 to 6 Nm Mounting washer set: 9075.99.0078
Ordering Information Table	
Item number	Item description
22652508	3404.00.0006

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