

COAXIAL SURGE PROTECTOR DEVICE, Miniature GDT technology
3404.00.0012

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, N jack (female) Port 2: protected, MMCX jack (female)
Mounting and grounding	MH119 (bulkhead mounting)
Side of bulkhead	unprotected side
Inline design	YES
Interface and material data	
Housing material / plating	Stainless Steel / Passivated (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 3000 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.25 dB
CW power frame	≤ 30 W
Static spark voltage	150 V, +/- 20 % (@ 100 V/s)
Residual pulse energy (typ.)	350 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Surge current handling capability	10 kA single, 5 kA multiple (test pulse 8/20 μs)
Electrical remarks	
DC supply voltage	28 V
DC current	2 A
Gas tube	Yes DC, GDT included, not replaceable

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Mechanical data	
Weight	67.7 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Unmated / IP68, according to IEC 60529 (30 min of water, 3 m)
Ingress protection (comment)	Waterproof N interface, even in un-mated conditions: IP68 acc. IEC 60529 and MIL-STD 810G Method 512.5, Procedure I
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
85155543	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	
Mounting hole: 5/8-24 UNEF-2B, (16.1 mm or MH119)	

Ordering Information Table	
Item number	Item description
85155543	3404.00.0012

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