

COAXIAL SURGE PROTECTOR DEVICE, Miniature ultra-fast GDT technology, NEMP tested
3404.17.0001

Properties

- Ultra fast GDT
- NEMP tested
- DC continuity for remote powering
- Fix installed GDT
- Space saving inline design



Product configuration	
Main path connectors	Port 1: unprotected, N plug (male) Port 2: protected, N jack (female)
Mounting and grounding	MH170 (bulkhead mounting)
Side of bulkhead	protected side
Inline design	YES

Interface and material data	
Housing material / plating	Brass / Tri-metal Plating
Center contact, material / plating	Port 1: Brass / Gold Plating Port 2: Bronze / Gold Plating

Electrical data	
Impedance	50 Ω
Frequency frame	0 MHz to 2600 MHz
Return loss typical	≥ 17 dB
Insertion loss typical	≤ 0.4 dB
CW power frame	≤ 60 W
Static spark voltage	200 V, +/- 25 % (@ 100 V/s)
Residual pulse energy (typ.)	120 μJ LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs) 49 μJ NEMP (test pulse 10 kV 2/23 ns)
Residual pulse voltage (typ.)	450 V LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs) 1350 V NEMP (test pulse 10 kV 2/23 ns)
Surge current handling capability	10 kA single, 5 kA multiple (test pulse 8/20 μs)

Electrical bands	
	Range 1
Frequency range	0 MHz ... 1800 MHz
Return loss typical	≥ 20 dB

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Electrical bands	
	Range 1
Insertion loss	≤ 0.25 dB
Electrical remarks	
Gas tube	Yes DC, GDT included, not replaceable
Mechanical data	
Weight	156 g
Mating cycles	500
Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP67, according to IEC 60529
Thermal shock according	MIL-STD-202, Method 107, Cond. B
Vibration according	MIL-STD-202, Method 204, Cond. A
Moisture resistance according	MIL-STD-202, Method 106
Ordering Information Table	
Item number	Item description
85102633	3404.17.0001

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