

COAXIAL SURGE PROTECTOR DEVICE, Slim Line GDT technology

3406.17.0027

Properties

- Slim in-line design
- Broadband operation from DC up to 4 GHz
- DC continuity for remote powering
- Permanently installed gas discharge tube

**Product configuration**

Main path connectors	Port 1: unprotected, N jack (female) 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 / Tri-metal Plating
Center contact, material / plating	Port 1: Bronze / Gold Plating Port 2: Bronze / Gold Plating

Electrical data

Impedance	50 Ω
Frequency frame	0 MHz to 4000 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.2 dB
CW power frame	≤ 21 W
Static spark voltage	90 V, +/- 20 % (@ 100 V/s)
Residual pulse energy (typ.)	250 μ J LEMP (test pulse 4 kV 1.2/50 μ s; 2 kA 8/20 μ s) 535 μ J (test pulse 2.5 kA 10/350 μ s)
Residual pulse voltage (typ.)	680 V LEMP (test pulse 4 kV 1.2/50 μ s; 2 kA 8/20 μ s) 500 V (test pulse 2.5 kA 10/350 μ s)
Surge current handling capability	10 kA single, 5 kA multiple (test pulse 8/20 μ s)

Electrical remarks

Gas tube	Yes DC, GDT included, not replaceable
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Mechanical data

Weight	77 g
Mating cycles	500

Environmental data

Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	IP68
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

	Accessories: grounding ring 9075.99.0026, terminal lug for cable 6AWG/16 mm ² (diameter 6 mm), material: copper, tin plated
NATO Stock Number	5920-01-620-0251

Ordering Information Table

Item number	Item description
84041874	3406.17.0027

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