DATA SHEET

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 2.5 GHz

3402.18.A

Properties

- 75 Ohm characteristic Impedance
- Broadband frequency operation from DC to 2 GHz
- Gas discharge tube replaceable and not included
- DC/AC remote powering via coaxial same cable
- Surge current handling capability 30 kA once and 20 kA multiple
- Semper self-extinguishing functionality optional



Product configuration	
Main path connectors	Port 1: unprotected, N jack (female)
	Port 2: protected, N jack (female)
Mounting and grounding	MH25 (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	75 Ω
Frequency frame	0 MHz to 2000 MHz
Return loss typical	≥ 15.5 dB
Insertion loss typical	≤ 0.2 dB
CW power frame	≤ 100 W
Residual pulse energy (typ.)	350 µJ (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Surge current handling capability	30 kA single, 20 kA multiple (test pulse 8/20 µs)

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Electrical bands	
	Range 1
Frequency range	0 MHz ... 1500 MHz
Return loss	≥ 16.5 dB
Insertion loss	≤ 0.2 dB
Power avg. / peak	≤100 W / -

Electrical remarks	
Gas tube	Yes DC, GDT not included
Electrical remarks	Data refer to GDT 9071.99.0547, 230 V

Mechanical data	
Weight	127 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85°C
Ingress protection (IP Rating)	IP65
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	
NATO Stock Number	5920-01-612-6194

Ordering Information Table	
Item number	Item description
22645569	3402.18.A

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