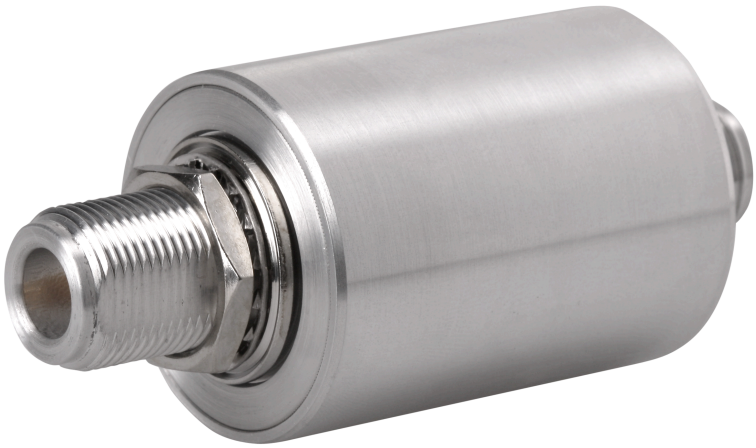
DATA SHEET

COAXIAL SURGE PROTECTOR DEVICE, Fine protectors hybrid technology

3403.17.0075

Properties

- Two stages hybrid protection: GDT and fine protector
- Residual surge pulse energy reduced by about factor 100 compared to standard GDT
- Full lightning protection as standard gas discharge tube (GDT) protectors
- Gas discharge tube included
- DC/AC remote powering via coaxial same cable



Product configuration	
Main path connectors	Port 1: unprotected, N jack (female) Port 2: protected, N jack (female)
Mounting and grounding	MH12 (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	800 MHz to 2500 MHz
Return loss typical	26.44 dB
Insertion loss typical	0.3 dB
CW power frame	50 W
Residual pulse energy (typ.)	6 µJ (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Residual pulse voltage (typ.)	8 V (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Surge current handling capability	20 kA single (test pulse 8/20 µs)

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Electrical remarks	
DC supply voltage	6 V
DC current	4 A
Gas tube	Yes DC, GDT included, not replaceable

Mechanical data	
Weight	244 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	IP67
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
84147806	3403.17.0075

DOCUMENT PIM-P1985 / Date of publication: 17.04.2024 / uncontrolled copy