DATA SHEET

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 2.5 GHz

3402.41.A

Properties

- Broadband frequency operation from DC to 2.5 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, 7/16 jack (female)
	Port 2: protected, 7/16 jack (female)
Mounting and grounding	MH72 (bulkhead mounting)

Interface and material data	
Housing material / plating	Brass / SUCOPLATE (R) Plating
Center contact, material / plating	Port 1: Copper Beryllium Alloy / Silver Plating
	Port 2: Copper Beryllium Alloy / Silver Plating

Electrical data	
Impedance	50 Ω
Frequency frame	0 MHz to 2500 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.2 dB
CW power frame	≤ 150 W
Residual pulse energy (typ.)	350 µJ (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Residual pulse voltage (typ.)	650 V (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)

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

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 2.5 GHz

3402.41.A

Mechanical data	
Weight	399 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. D
Moisture resistance according	MIL-STD-202, Method 106

Ordering Information Table	
Item number	Item description
22642813	3402.41.A

DOCUMENT PIM-P1994 / Date of publication: 07.03.2024 / uncontrolled copy