

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 1.0 GHz
3401.01.F

Properties

- Broadband frequency operation from DC to 1 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, BNC jack (female)
	Port 2: protected, BNC jack (female)
Mounting and grounding	MH12 (bulkhead mounting)
Side of bulkhead	protected side
Capsule holder with chain	YES
EMP can be install reversed	YES

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	0 MHz to 1000 MHz
Return loss typical	19 dB
Insertion loss typical	0.1 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)

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Electrical bands	
	Range 1
Frequency range	0 MHz ... 300 MHz
Return loss typical	26.44 dB
Insertion loss	0.1 dB
Power avg. / peak	150 W / -

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

Mechanical data	
Weight	80 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

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22643327	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead

Comment	
NATO Stock Number	5920-12-310-6281

Ordering Information Table	
Item number	Item description
22643327	3401.01.F

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