

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 1.0 GHz
3401.17.A

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, N jack (female)
	Port 2: protected, N jack (female)
Mounting and grounding	MH12 (bulkhead mounting)
Side of bulkhead	protected side
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	≥ 26.44 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 remarks				
Gas tube		Yes DC, GDT not included		
Electrical remarks		Data refer to GDT 9071.99.0547, 230 V		
Mechanical data				
Weight		110 g		
Mating cycles		500		
Environmental data				
Operation temperature		-40 °C ... 85 °C		
Storage temperature		-40 °C ... 85 °C		
Ingress protection (IP Rating)		IP66		
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
22543736		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		5820-99-726-4346		
		5920-17-100-7884		
		5920-66-127-4034		
Ordering Information Table				
Item number		Item description		
22543736		3401.17.A		

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