

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 1.0 GHz  
3401.18.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	75 Ω
Frequency frame	0 MHz to 500 MHz
Return loss typical	≥ 20.8 dB
Insertion loss typical	≤ 0.1 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)
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		92 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
22641598	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		5920-25-134-3502	
Ordering Information Table			
Item number		Item description	
22641598		3401.18.A	

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