

COAXIAL SURGE PROTECTOR DEVICE, Fine protectors hybrid technology, box design, bypass voltage 15 V, DC current 3 A
3403.17.0045

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	MH119 (bulkhead mounting), M4 (screw), brk (bracket)
Side of bulkhead	protected side

Interface and material data

Housing material / plating	Aluminium / Chromatized
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 2000 MHz
Return loss typical	20 dB
Insertion loss typical	0.4 dB
CW power frame	50 W
Residual pulse energy (typ.)	3 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Residual pulse voltage (typ.)	18 V LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Surge current handling capability	25 kA single, 10 kA multiple (test pulse 8/20 μs)

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Electrical bands	
	Range 1
Frequency range	1500 MHz ... 1600 MHz
Return loss typical	26.44 dB
Insertion loss	0.4 dB
Power avg. / peak	50 W / -
PIM 3rd order	0 dBc

Electrical remarks	
DC supply voltage	15 V
DC current	3 A
Gas tube	Yes DC, GDT included, replaceable, 9071.99.0548 (90 V)

Mechanical data	
Weight	352 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP66, according to IEC 60529
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

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
23032501	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

Ordering Information Table	
Item number	Item description
23032501	3403.17.0045

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