

COAXIAL SURGE PROTECTOR DEVICE, Slim Line GDT technology
3406.00.0036

Properties

- Slim in-line design
- Broadband operation from DC up to 6 GHz
- DC continuity for remote powering
- Permanently installed gas discharge tube



Product configuration	
Main path connectors	Port 1: protected, TNC jack (female) Port 2: unprotected, SMA jack (female)
Mounting and grounding	MH4 (bulkhead mounting)
Side of bulkhead	protected side
Inline design	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 Port 2: Copper Beryllium Alloy / Gold Plating

Electrical data	
Impedance	50 Ω
Frequency frame	0 MHz to 6000 MHz
Return loss typical	≥ 17 dB
Insertion loss typical	≤ 0.3 dB
Static spark voltage	200 V, +/- 25 % (@ 100 V/s)
Residual pulse energy (typ.)	350 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Surge current handling capability	10 kA single, 5 kA multiple (test pulse 8/20 μs)

Electrical bands	
	Range 1
Frequency range	0 MHz ... 3000 MHz
Return loss typical	≥ 20 dB
Insertion loss	≤ 0.1 dB
Power avg. / peak	≤100 W / ≤100 W

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Electrical remarks			
Gas tube		Yes DC, GDT included, not replaceable	
Mechanical data			
Weight		20 g	
Mating cycles		500	
Environmental data			
Operation temperature		-40 °C ... 85 °C	
Storage temperature		-40 °C ... 85 °C	
Ingress protection (IP Rating)		Unmated / IP68, according to IEC 60529	
Ingress protection (comment)		Only TNC connector side	
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
85115076	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	
85115076		3406.00.0036	

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