

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub
technology
3400.17.0387

Properties

- Maintenance-free products
- Highest current handling capability up to 100 kA max.
- Best PIM performance
- Available in several frequency ranges from 380MHz up until 18GHz
- Inertion loss not exceeding 0.2 dB max.



Product configuration	
Main path connectors	Port 1: unprotected, N jack (female) Port 2: protected, N jack (female)
Mounting and grounding	MH74 (bulkhead mounting), M8 (screw), brk (bracket)
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	806 MHz to 2500 MHz
Return loss typical	20.8 dB
Insertion loss typical	0.15 dB
CW power frame	500 W
Peak power frame	10000 W
PIM 3rd order	-150 dBc max.
Residual pulse energy (typ.)	5 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Surge current handling capability	50 kA multiple (test pulse 8/20 μs)

Electrical bands		
	Range 1	Range 2
Frequency range	806 MHz ... 960 MHz	1710 MHz ... 2500 MHz

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Electrical bands		
	Range 1	Range 2
Return loss typical	26 dB	26 dB
Insertion loss	0.15 dB	0.15 dB
Power avg. / peak	1000 W / 10000 W	500 W / 10000 W
PIM 3rd order	-150 dBc typ.	-150 dBc typ.

Electrical remarks	
Gas tube	No DC / shorted QW or LC

Mechanical data	
Weight	385 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	IP67
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
23036708	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
23036708	3400.17.0387

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