

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.17.0416

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	MH25 (bulkhead mounting), M8 (screw)
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	1000 MHz to 2900 MHz
Residual pulse energy (typ.)	5 μ J (test pulse 4 kV 1.2/50 μ s; 2 kA 8/20 μ s)
Surge current handling capability	50 kA multiple (test pulse 8/20 μ s)

Electrical bands

	Range 1	Range 2
Frequency range	1000 MHz ... 1100 MHz	2700 MHz ... 2900 MHz
Return loss typical	20 dB	20 dB
Insertion loss	0.1 dB	0.1 dB
Power avg. / peak	750 W / -	450 W / -
PIM 3rd order		0 dBc

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Electrical remarks	
Gas tube	No DC / shorted QW or LC
Mechanical data	
Weight	300 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. A
Moisture resistance according	MIL-STD-202, Method 106
Ordering Information Table	
Item number	Item description
84016513	3400.17.0416

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