

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.41.0257

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
- Insertion loss not exceeding 0.2 dB max.



Product configuration

Main path connectors	Port 1: unprotected, 7/16 plug (male) Port 2: protected, 7/16 jack (female)
Mounting and grounding	MH110 (bulkhead mounting), M8 (screw)
Side of bulkhead	protected side

Interface and material data

Housing material / plating	Aluminium / Chromatized
Center contact, material / plating	Port 1: Brass / Silver Plating Port 2: Bronze / Silver Plating

Electrical data

Impedance	50 Ω
Frequency frame	790 MHz to 2620 MHz
Return loss typical	20.8 dB
Insertion loss typical	0.1 dB
CW power frame	1000 W
PIM 3rd order	-150 dBc typ.
Residual pulse energy (typ.)	9 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Surge current handling capability	80 kA single, 60 kA multiple (test pulse 8/20 μs)

Electrical bands

	Range 1	Range 2
Frequency range	824 MHz ... 960 MHz	1710 MHz ... 2200 MHz
Return loss	24 dB	24 dB
Insertion loss	0.1 dB	0.1 dB
Power avg. / peak	- / 10000 W	

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Electrical remarks

Gas tube	No DC / shorted QW or LC
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Mechanical data

Weight	247 g
Mating cycles	100

Environmental data

Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85°C
Ingress protection (IP Rating)	IP68
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

Comment

	Ordering information for optional stainless steel mounting/grounding accessory: 9075.99.0108: threaded stud M8, length 30mm, hexagonal nut M8, washer and tooth washer
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Ordering Information Table

Item number	Item description
84062515	3400.41.0257

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