

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
- Inertion 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
EMP can be install reversed	YES

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 μ J (test pulse 4 kV 1.2/50 μ s; 2 kA 8/20 μ s)
Surge current handling capability	80 kA single, 60 kA multiple (test pulse 8/20 μ s)

Electrical bands

	Range 1	Range 2
Frequency range	824 MHz ... 960 MHz	1710 MHz ... 2200 MHz
Return loss typical	24 dB	24 dB
Insertion loss	0.1 dB	0.1 dB

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Electrical bands			
		Range 1	Range 2
Power avg. / peak		- / 10000 W	
Electrical remarks			
Gas tube		No DC / shorted QW or LC	
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	
Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
84062515	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
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	
Ordering Information Table			
Item number		Item description	
84062515		3400.41.0257	

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