

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.17.0235

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	5000 MHz to 7000 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.25 dB
CW power frame	≤ 300 W
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)
	25 kA multiple (test pulse 10/350 μ s)

Electrical remarks

Gas tube	No DC / shorted QW or LC
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Mechanical data	
Weight	308 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP65, according to IEC 60529
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

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
23002654	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	
Flange mounting (MH 25)	

Ordering Information Table	
Item number	Item description
23002654	3400.17.0235

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