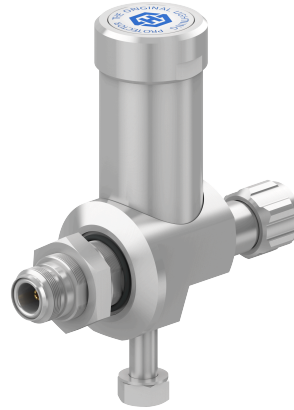


COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.17.0431

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 plug (male) Port 2: protected, N jack (female)
Mounting and grounding	MH170 (bulkhead mounting), M8 (screw), brk (bracket)
Side of bulkhead	protected side
Mounting set included	YES
EMP can be install reversed	YES

Interface and material data

Housing material / plating	Brass / SUCOPLATE (R) Plating
Center contact, material / plating	Port 1: Brass / Gold Plating (without Nickel underplating) Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)

Electrical data

Impedance	50 Ω
Frequency frame	690 MHz to 2200 MHz
Return loss typical	23 dB
Insertion loss typical	0.15 dB
CW power frame	500 W
PIM 3rd order	-150 dBc max.
Residual pulse energy (typ.)	10 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	690 MHz ... 960 MHz	1700 MHz ... 2200 MHz
Return loss typical	24 dB	24 dB

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Electrical bands		
	Range 1	Range 2
Insertion loss	0.15 dB	0.15 dB
Power avg. / peak	500 W / -	500 W / -
PIM 3rd order	-150 dBc max.	-150 dBc max.

Electrical remarks	
Gas tube	No DC / shorted QW or LC

Mechanical data	
Weight	440 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	IP67
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
84080266	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
84080266	3400.17.0431

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DOCUMENT PIM-P2059 / Date of publication: 28.02.2025 / uncontrolled copy