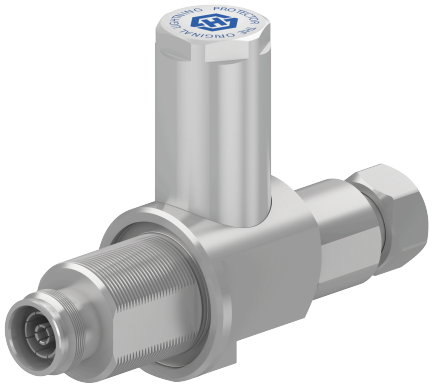
DATA SHEET

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.31.0001

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, 4.3-10 plug (male) Port 2: protected, 4.3-10 jack (female)
Mounting and grounding	MH110 (bulkhead mounting), M8 (screw), brk (bracket)
Side of bulkhead	protected side
EMP can be install reversed	YES

Interface and material data	
Housing material / plating	Brass / SUCOPLATE (R) Plating
Center contact, material / plating	Port 1: Brass / Silver Plating Port 2: Bronze / Silver Plating

Electrical data	
Impedance	50 Ω
Frequency frame	690 MHz to 2700 MHz
Return loss typical	≥ 24 dB
Insertion loss typical	≤ 0.1 dB
CW power frame	≤ 1500 W
PIM 3rd order	-160 dBc max.
AISG insertion loss	0.1 dB
Residual pulse energy (typ.)	11 µJ (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Surge current handling capability	100 kA single, 80 kA multiple (test pulse 8/20 µs)

Electrical remarks	
Gas tube	No DC / shorted QW or LC

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Mechanical data	
Weight	503 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP67, 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

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85020284	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
85020284	3400.31.0001

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