DATA SHEET

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.17.0254

Properties

- Maintenance-free products
- Highest current handling capability up to 100 kA max.
- Aeronautical Radionavigation
- 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	MH12 (bulkhead mounting)
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: 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	1000 MHz to 1100 MHz
Return loss typical	≥ 20.8 dB
Insertion loss typical	≤ 0.1 dB
CW power frame	≤ 750 W
Peak power frame	≤ 10000 W
Residual pulse energy (typ.)	5 µJ (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Surge current handling capability	50 kA multiple (test pulse 8/20 µs)
	25 kA multiple (test pulse 10/350 µs)

Electrical remarks	
Gas tube	No DC / shorted QW or LC

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Mechanical data	
Weight	170 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

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22659984	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
22659984	3400.17.0254

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