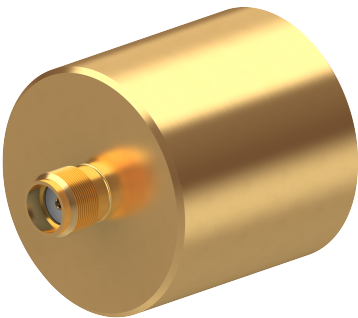


COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub
technology, NEMP tested
3400.19.0016

Properties

- Compact design
- Suitable for Identification Friend or Foe transponder
- Suitable for Mode A/C/S Secondary Surveillance Radar
- Suitable for ACAS (Airborne Collision Avoidance System)
- Suitable for WAM (Wide Area Multilateration) / MLAT
- NEMP tested
- Maintenance-free products



Product configuration	
Main path connectors	Port 1: unprotected, SMA jack (female) Port 2: protected, SMA jack (female)
Mounting and grounding	M3 (screw), brk (bracket)
Inline design	YES
EMP can be install reversed	YES
Interface and material data	
Housing material / plating	Brass / SUCOPRO Plating
Center contact, material / plating	Port 1: Copper Beryllium Alloy / SUCOPRO Plating Port 2: Copper Beryllium Alloy / SUCOPRO Plating
Electrical data	
Impedance	50 Ω
Frequency frame	1020 MHz to 1100 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.1 dB
CW power frame	≤ 160 W
Peak power frame	1000 W
Residual pulse energy (typ.)	5 μJ LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
	20 μJ NEMP (test pulse 6 kV 5/200 ns)
	1.2 mJ (test pulse 27 kA 8/20 μs)
Residual pulse voltage (typ.)	5 V LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
	370 V NEMP (test pulse 6 kV 5/200 ns)
	50 V (test pulse 27 kA 8/20 μs)

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Electrical data			
Surge current handling capability		25 kA single, 5 kA multiple (test pulse 8/20 μs)	
Electrical remarks			
Gas tube		No DC / shorted QW or LC	
Mechanical data			
Weight		64 g	
Environmental data			
Operation temperature		-40 °C ... 85 °C	
Storage temperature		-40 °C ... 85 °C	
Ingress protection (IP Rating)		Mated / IP55, 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
84027380	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	
84027380		3400.19.0016	

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