

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.17.0230

Properties

- Maintenance-free products
- Best PIM performance
- Aeronautical Radionavigation
- Aviation Radio Navigation Service
- Radio Navigation Satellite Service
- Global Navigation Satellite Service
- Compact form factor



Product configuration

Main path connectors	Port 1: unprotected, N jack (female) Port 2: protected, N jack (female)
Mounting and grounding	MH50 (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 / SUCOPRO Plating Port 2: Copper Beryllium Alloy / SUCOPRO Plating

Electrical data

Impedance	50 Ω
Frequency frame	824 MHz to 1990 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.15 dB
CW power frame	≤ 400 W
Peak power frame	≤ 1000 W
PIM 3rd order	-150 dBc max.
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)

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Electrical remarks			
Gas tube		No DC / shorted QW or LC	
Mechanical data			
Weight		224 g	
Mating cycles		500	
Environmental data			
Operation temperature		-40 °C ... 85 °C	
Storage temperature		-40 °C ... 85 °C	
Ingress protection (IP Rating)		Mated / IP66, 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
22659430	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			
NATO Stock Number		5920-12-374-8752	
Ordering Information Table			
Item number		Item description	
22659430		3400.17.0230	

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