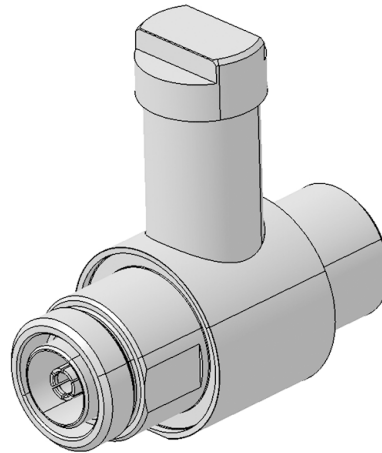


COAXIAL SURGE PROTECTOR DEVICE, High-power/low-IM GDT hybrid technology

3409.41.0085

Properties

- DC continuity for remote powering
- RF peak power not limited by gas discharge tube
- Excellent low PIM performance; Ideal for multicarrier systems
- Availability for application bands between 380 MHz and 18 GHz
- Gas discharge tube installed



Product configuration

Main path connectors	Port 1: unprotected, 7/16 jack (female) Port 2: protected, 7/16 jack (female)
Mounting and grounding	MH74 (bulkhead mounting), brk (bracket)
Side of bulkhead	protected side
EMP can be install reversed	YES

Interface and material data

Housing material / plating	Aluminium / Chromatized
Center contact, material / plating	Port 1: Bronze / Silver Plating Port 2: Bronze / Silver Plating

Electrical data

Impedance	50 Ω
Frequency frame	820 MHz to 2500 MHz
Return loss typical	20.8 dB
Insertion loss typical	0.1 dB
CW power frame	1500 W
Peak power frame	20000 W
PIM 3rd order	-150 dBc typ.
AISG frequency	2176 MHz
AISG return loss	20 dB
AISG insertion loss	0.1 dB
Residual pulse energy (typ.)	250 μ J (test pulse 4 kV 1.2/50 μ s; 2 kA 8/20 μ s)
Surge current handling capability	30 kA single, 20 kA multiple (test pulse 8/20 μ s)

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Electrical bands		
	Range 1	Range 2
Frequency range	820 MHz ... 970 MHz	1700 MHz ... 2500 MHz
Return loss typical	23.2 dB	23.2 dB
Insertion loss	0.1 dB	0.1 dB
Power avg. / peak	3000 W / 20000 W	1500 W / 20000 W
PIM 3rd order	-150 dBc typ.	-150 dBc typ.
Electrical remarks		
DC supply voltage	48 V	
DC current	10 A	
Gas tube	Yes DC, GDT included, replaceable, 9071.99.0548 (90 V)	
Mechanical data		
Weight	260 g	
Mating cycles	100	
Environmental data		
Operation temperature	-40 °C ... 85 °C	
Storage temperature	-40 °C ... 85 °C	
Ingress protection (IP Rating)	IP65	
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	
Comment		
	Ordering information for optional stainless steel mounting/ grounding accessory: 9075.99.0108: threaded stud M8, length 30mm, hexagonal nut M8, washer and tooth washer	

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