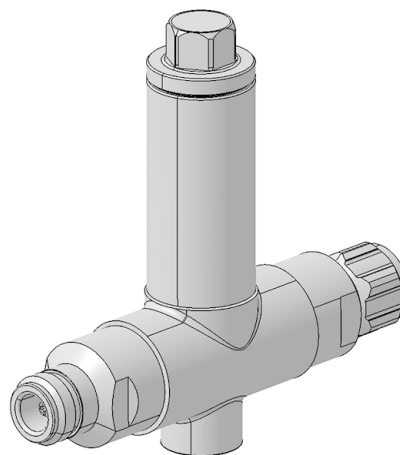


COAXIAL SURGE PROTECTOR DEVICE, High-power/low-IM GDT hybrid technology

3409.17.0027-EX

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 with SEMPER configuration



Product configuration

Main path connectors	Port 1: unprotected, N plug (male) Port 2: protected, N jack (female)
Mounting and grounding	M8 (screw), brk (bracket)

Material data

Housing material / plating	Brass / SUCOPLATE (R) Plating
Center contact, material / plating	Port 1: Brass / Gold Plating (without Nickel underplating) Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)

Electrical data

Impedance	50 Ω
Frequency frame	806 MHz to 2500 MHz
Return loss typical	20.8 dB
Insertion loss typical	0.15 dB
CW power frame	500 W
Peak power frame	10000 W
PIM 3rd order	-150 dBc typ.
AIISG frequency	2176 MHz
AIISG return loss	20 dB
AIISG insertion loss	0.1 dB

Electrical bands

	Range 1	Range 2
Frequency range	806 MHz ... 960 MHz	1710 MHz ... 2500 MHz

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Electrical bands		
	Range 1	Range 2
Return loss	26 dB	26 dB
Insertion loss	0.15 dB	0.15 dB
Power avg. / peak	1000 W / 10000 W	500 W / 10000 W
PIM 3rd order	-150 dBc typ.	-150 dBc typ.

Electrical remarks	
DC supply voltage	48 V
DC current	2.5 A
Surge current handling capability	30 single / 20 multiple kA (test pulse 8/20 µs)
Residual pulse energy	350 µJ typically (test pulse 4 kV 1.2/50 µs / 2 kA 8/20 µs) main path - protected side
Gas tube	Yes DC, GDT included, replaceable, 9071.99.0748 (SEMPER, 90 V)

Mechanical data	
Weight	402 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	IP65

Ordering Information Table	
Item number	Item description
23030192	3409.17.0027-EX

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