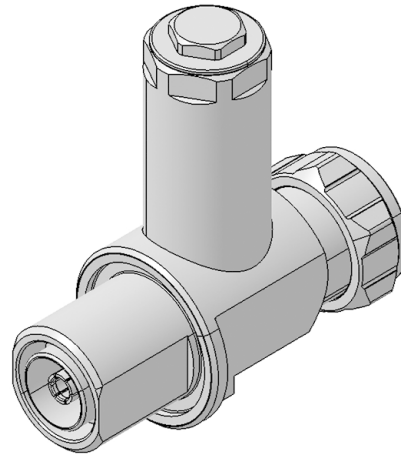


# COAXIAL SURGE PROTECTOR DEVICE, High-power/low-IM GDT hybrid technology

3409.41.0092

## 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



## Product configuration

Main path connectors	Port 1: unprotected, 7/16 plug (male) Port 2: protected, 7/16 jack (female)
Mounting and grounding	MH110 (bulkhead mounting), M8 (screw), brk (bracket)
Side of bulkhead	protected side

## Material data

Housing material / plating	Brass / SUCOPLATE (R) Plating
Center contact, material / plating	Port 1: Brass / Silver Plating Port 2: Bronze / Silver Plating

## Electrical data

Impedance	50 $\Omega$
Frequency frame	690 MHz to 2690 MHz
Return loss typical	26 dB
Insertion loss typical	0.1 dB
CW power frame	1500 W
PIM 3rd order	-160 dBc max.
AISG frequency	10 MHz
AISG return loss	18 dB
AISG insertion loss	0.1 dB

## Electrical remarks

DC supply voltage	48 V
DC current	13 A
Surge current handling capability	30 single / 20 multiple kA (test pulse 8/20 $\mu$ s)
Residual pulse energy	350 $\mu$ J typically (test pulse 4 kV 1.2/50 $\mu$ s / 2 kA 8/20 $\mu$ s) main path - protected side

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Electrical remarks	
Gas tube	Yes DC, GDT included, replaceable, 9071.99.0548 (90 V)
Mechanical data	
Weight	495 g
Mating cycles	500
Environmental data	
Operation temperature	-40 °C ... 85°C
Storage temperature	-40 °C ... 85°C
Ingress protection (IP Rating)	IP67
Ordering Information Table	
Item number	Item description
84150561	3409.41.0092

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