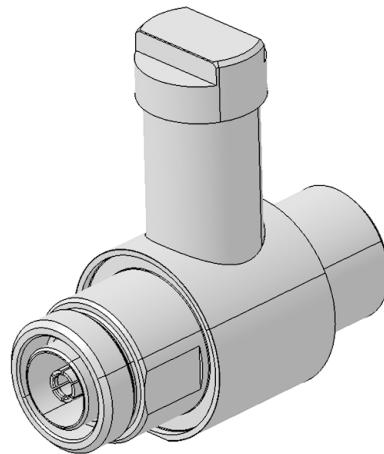


COAXIAL SURGE PROTECTOR DEVICE, High-power/low-IM GDT hybrid technology

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



CE
UK
CA

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 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Surge current handling capability	30 kA single, 20 kA multiple (test pulse 8/20 μs)

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

3409.41.0085

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
--	--

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P1941 / Date of publication: 28.02.2025 / uncontrolled copy