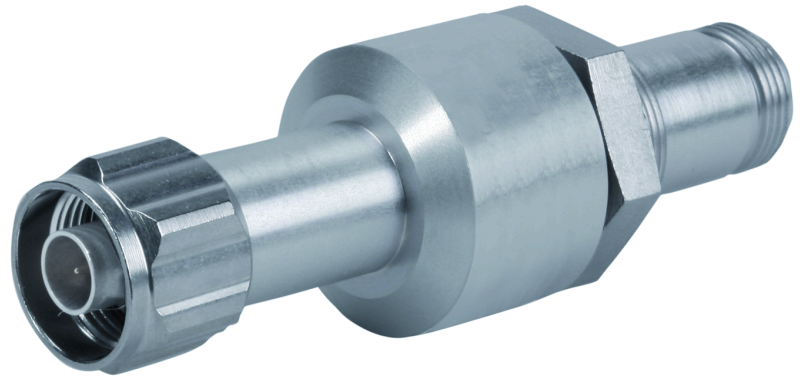


COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology with integrated high-pass filter

3407.17.0085

Properties

- Residual voltage reduced by 80 % compared to standard types of series 3400
- Residual energy reduced of more than 99.9 % compared to series 3401 and 3402
- DC-blocking on protected side of the device
- Available for applications from 70 MHz to 18 GHz
- Return loss 20 dB min. and Insertion loss 0.2 dB max.
- Broad-band design
- Space saving desing



Product configuration

Main path connectors	Port 1: unprotected, N plug (male) Port 2: protected, N jack (female)
Mounting and grounding	MH170 (bulkhead mounting), brk (bracket)
Side of bulkhead	protected side
Inline design	YES
EMP can be install reversed	YES

Interface and material data

Housing material / plating	Aluminium / Chromatized
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	2000 MHz to 6000 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.2 dB
CW power frame	≤ 300 W
Residual pulse energy (typ.)	0.1 nJ LEMP (test pulse 4 kV 1.2/50 μ s; 2 kA 8/20 μ s) 20 nJ (test pulse 55 kA 8/20 μ s)
Residual pulse voltage (typ.)	0.5 V LEMP (test pulse 4 kV 1.2/50 μ s; 2 kA 8/20 μ s)

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Electrical data	
	5 V (test pulse 55 kA 8/20 µs)
Surge current handling capability	50 kA multiple (test pulse 8/20 µs)
Electrical remarks	
Gas tube	No DC / shorted QW or LC
Mechanical data	
Weight	108 g
Mating cycles	100
Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP68, 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
Ordering Information Table	
Item number	Item description
84092556	3407.17.0085

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