

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

3407.17.0053

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
- NEMP tested



Product configuration

Main path connectors	Port 1: unprotected, N plug (male) Port 2: protected, N jack (female)
Mounting and grounding	MH12 (bulkhead mounting), M8 (screw), brk (bracket)
Side of bulkhead	protected side
EMP can be install reversed	YES

Interface and 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	320 MHz to 512 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.2 dB
CW power frame	≤ 500 W
Residual pulse energy (typ.)	0.03 μ J LEMP (test pulse 4 kV 1.2/50 μ s; 2 kA 8/20 μ s) 265 μ J NEMP (test pulse 6 kV 5/200 ns)
Residual pulse voltage (typ.)	2050 V NEMP (test pulse 6 kV 5/200 ns)
Surge current handling capability	50 kA multiple (test pulse 8/20 μ s)

Electrical remarks

Gas tube	No DC / shorted QW or LC
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Mechanical data	
Weight	320 g
Mating cycles	500
Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP65, 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
23001675	3407.17.0053

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