DATA SHEET

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

3407.41.0051

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
- Multi-band operation

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), M6 (screw)
Side of bulkhead	protected side
Inline design	YES
EMP can be install reversed	YES

Interface and 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 Ω
Frequency frame	690 MHz to 2700 MHz
Return loss typical	23 dB
Insertion loss typical	0.1 dB
CW power frame	500 W
PIM 3rd order	-155 dBc typ.
Residual pulse energy (typ.)	0.03 µJ (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)

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Electrical data	
Surge current handling capability	25 kA single, 20 kA multiple (test pulse 8/20 µs)

Electrical bands	
	Range 1
Frequency range	690 MHz ... 2500 MHz
Return loss typical	26 dB
Insertion loss	0.1 dB
Power avg. / peak	500 W / -
PIM 3rd order	-150 dBc typ.

Electrical remarks	
Gas tube	No DC / shorted QW or LC

Mechanical data	
Weight	430 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP67, 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
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