

High Power RF Limiter for HF, Limiting Threshold 41 dBm

9078.17.0013

Properties

- 2-stage high power RF Limiter up to 67 dBm
- Threshold level 41 dBm
- Linear broad-band operation
- Minimum residual pulse energy



Product configuration

Main path connectors	Port 1: unprotected, N jack (female) Port 2: protected, N jack (female)
Mounting and grounding	MH12 (bulkhead mounting)
Side of bulkhead	protected side

Interface and material data

Housing material / plating	Aluminium
Center contact, material / plating	Port 1: Copper Beryllium Alloy / Gold Plating (without Nickel underplating) Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)

Electrical data

Impedance	50 Ω
Frequency frame	100 kHz to 32 MHz
Return loss typical	≥ 18 dB
Insertion loss typical	≤ 0.5 dB
CW power frame	≤ 25 W
Peak power frame	≤ 5 kW
Limiting threshold	41 dBm
IM limits (linear operation)	IP3 > 50 dBm
Residual pulse energy (typ.)	30 μ J NEMP (test pulse 6 kV 5/200 ns) 300 μ J LEMP (test pulse 4 kV 1.2/50 μ s; 2 kA 8/20 μ s)
Surge current handling capability	10 kA single, 5 kA multiple (test pulse 8/20 μ s)
Response time	< 100 ns

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Electrical remarks	
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Mechanical data	
Weight	134 g
Mating cycles	100

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	IP67
Thermal shock according	MIL-STD-202, Method 107, Cond. B
Vibration according	MIL-STD-202, Method 204, Cond. A

Comment	
NATO Stock Number	NATO Stock Number 5895-01-624-3840 5895-01-624-3840

Ordering Information Table	
Item number	Item description
84111408	9078.17.0013

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