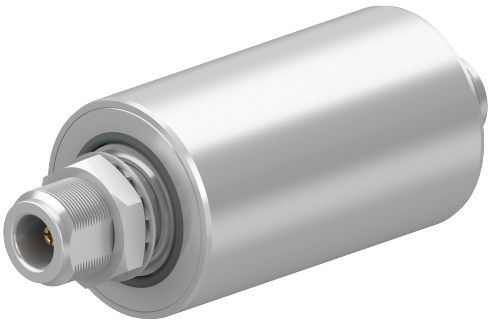


High Power RF Limiter for HF, Limiting Threshold 6 dBm

9078.17.0014

Properties

- 2-stage high power RF Limiter up to 60 dBm
- Threshold level 6 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	≥ 20 dB
Insertion loss typical	≤ 0.7 dB
CW power frame	≤ 25 W
Peak power frame	≤ 1 kW
Limiting threshold	6 dBm
Residual pulse energy (typ.)	2 μJ NEMP (test pulse 6 kV 5/200 ns)
	600 nJ LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Residual pulse voltage (typ.)	120 V NEMP (test pulse 6 kV 5/200 ns)
	10 V LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Surge current handling capability	10 kA single, 5 kA multiple (test pulse 8/20 μs)
Response time	< 100 ns

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Electrical remarks			
Electrical remarks		RF peak power: max. 60 dBm (1 kW pulse, 10 us duration, 0.5 % duty cycle), during max. 10 sec.	
		Average power: ≤ 44 dBm (≤ 25 W)	
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)		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	
Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85071585	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
Ordering Information Table			
Item number		Item description	
85071585		9078.17.0014	

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