Suzhou Talent Microwave,Inc
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Power Limiter

DC-70GHz /30dBm Power Handling

Model: TLMTDC70G-30-13

The TLMTDC70G-30-13 is a broadband limiter product. This limiter has an operating frequency range that can cover DC-70 GHz and features stable performance.

Features:

- Frequency range: DC-70 GHz
- RF Power Handling:3 0dBm(CW)@10GHz
- Limiting power: 13 dBm@10GHz
- Low Insertion Loss
- 50 Ohm Matched Input / Output

Applications:

- Communication receiver
- Laboratory test
- Sensor radar

Electrical Characteristics:

Parameter		Min	Typ	Max	Units
Frequency range			DC-70		GHz
Insertion Loss			4		dB
Limiting power	@10GHz		13		dBm
	@20GHz		11		
	@30GHz		9.5		
	@40GHz		8.5		
	@50GHz		8.5		
Input VSWR			2.0		:1
Output VSWR			2.0		:1
Power handling			30(CW)		dBm
Impedance			50		Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	1.85mm Female/1.85mm Female	
Size	11.76*17*9	mm

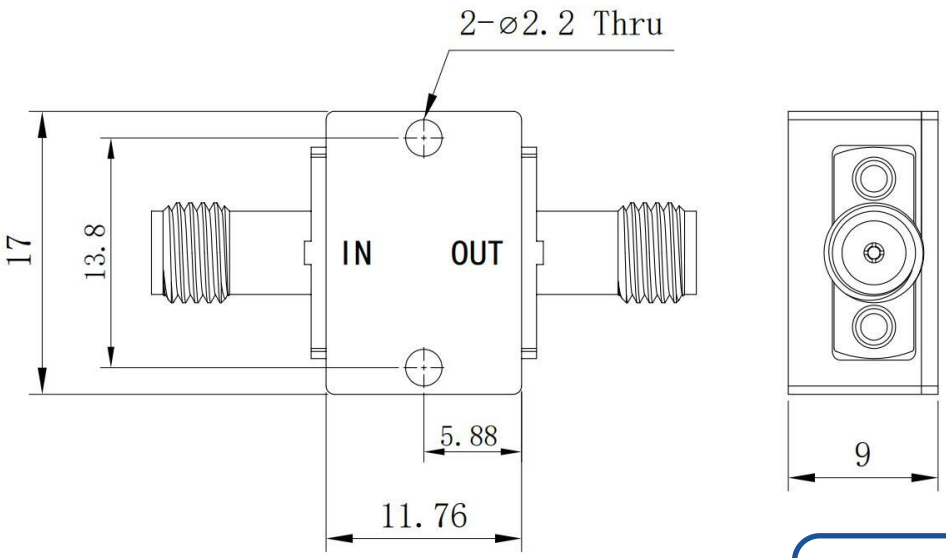
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Absolute Maximum Ratings:

Parameter	Value
RF Input Power	+30 dBm@10GHz
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Environmental Conditions:

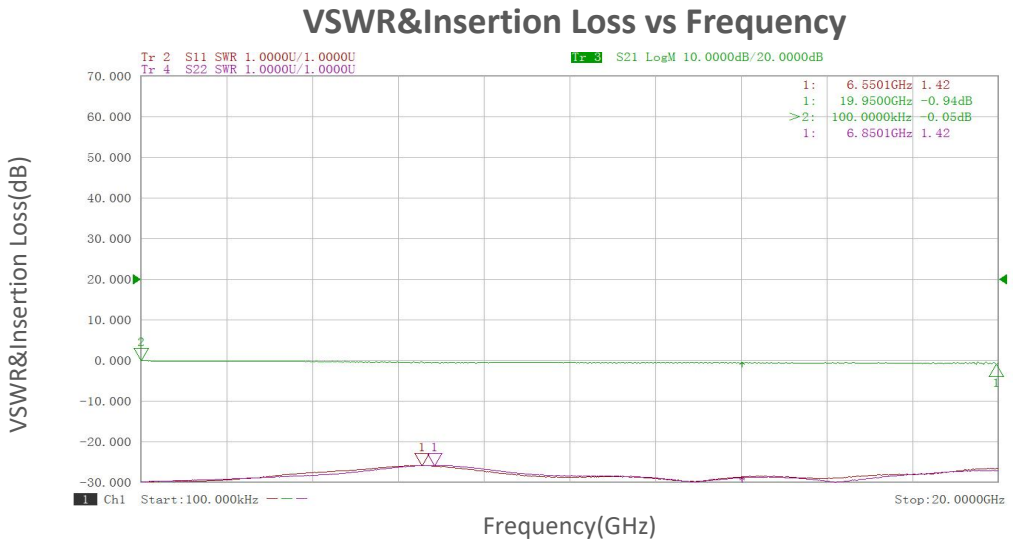
Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	℃
Non-operating Temperature	-55		+125	℃
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

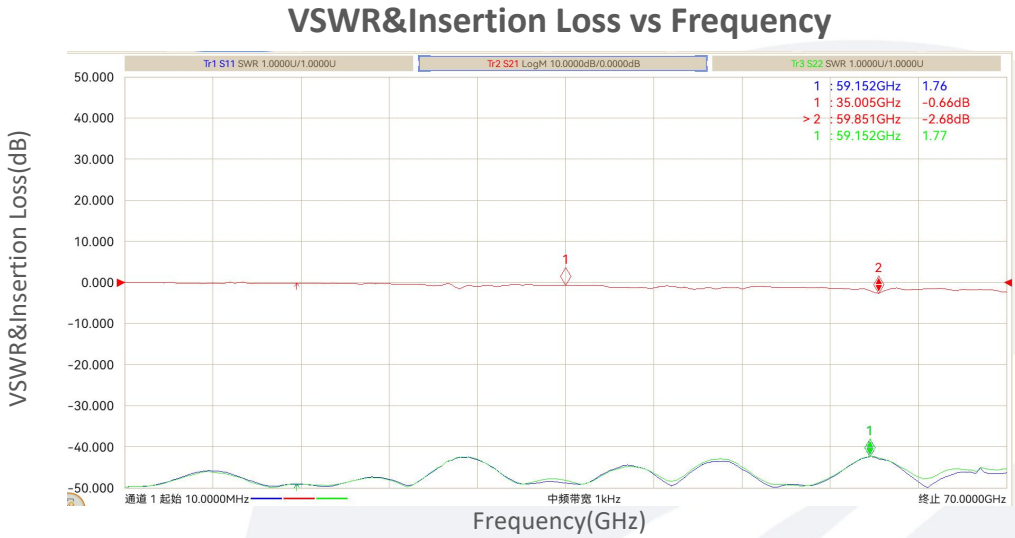
Ordering Information:

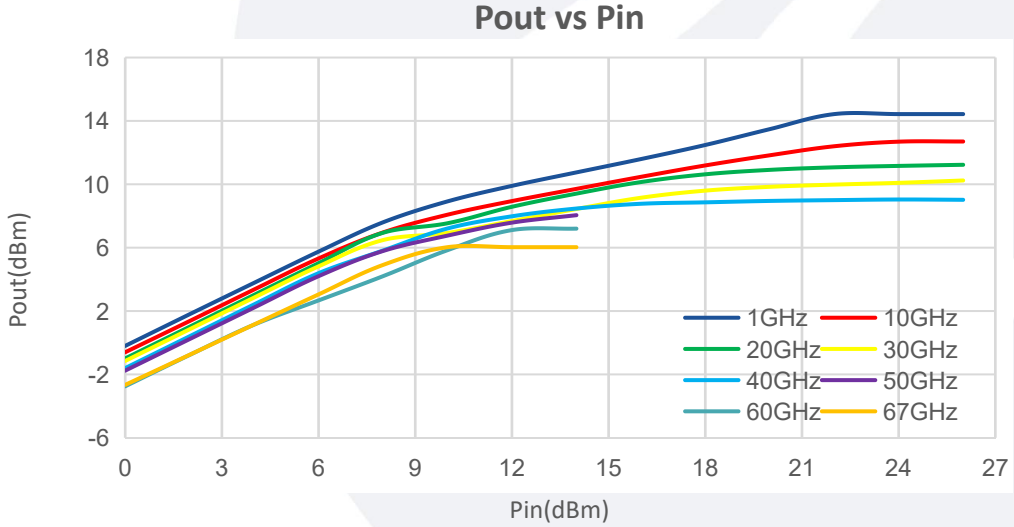
Base Number	Description	Revision
TLMTDC70G-30-13	Power Limiter, DC-70GHz, Limiting power:13 dBm	Rev.1.1

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Typical Performance Data:







Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.