Suzhou Talent Microwave,Inc
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Power Limiter

DC-18GHz/8W,Power Handling

Model: TLMTDC18G-8W-16

The TLMTDC18G-8W-16 is a broadband limiter product. This limiter has an operating frequency range that can cover DC-18 GHz and features stable performance.

Features:

- Frequency range:DC-18 GHz
- RF Power Handling:8W(CW)
- Limiting power:16 dBm
- 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		18	GHz
Insertion Loss		0.5		dB
Limiting power		16		dBm
Input Return Loss		-15		dB
Output Return Loss		-15		dB
Power handling	8W(CW)			
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Male/SMA Female	
Length	42.2	mm

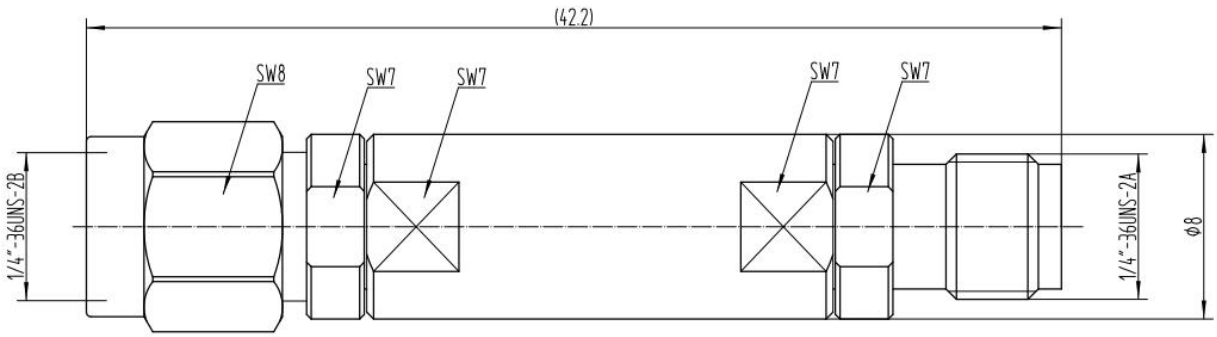
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Absolute Maximum Ratings:

Parameter	Value
RF Input Power	+39 dBm
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:

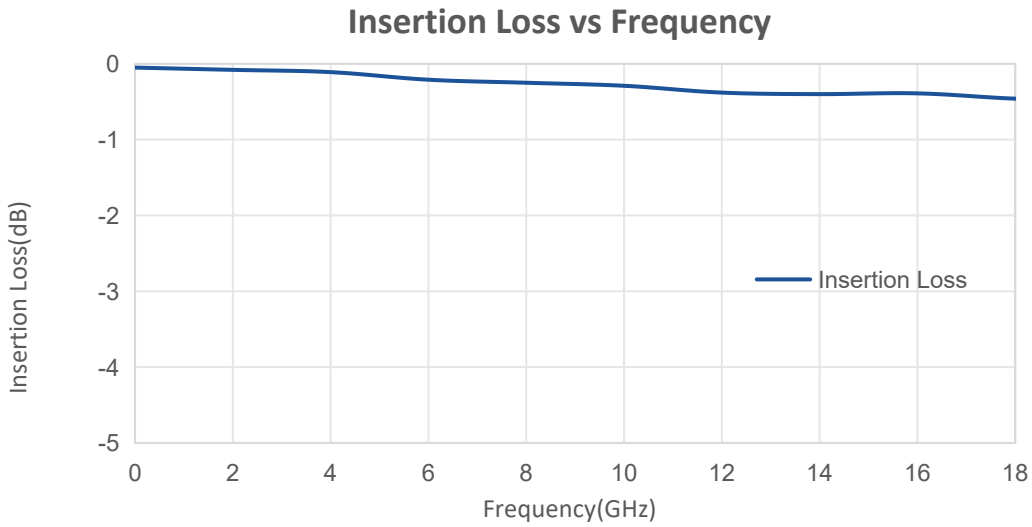
Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+70	℃
Non-operating Temperature	-55		+85	℃
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

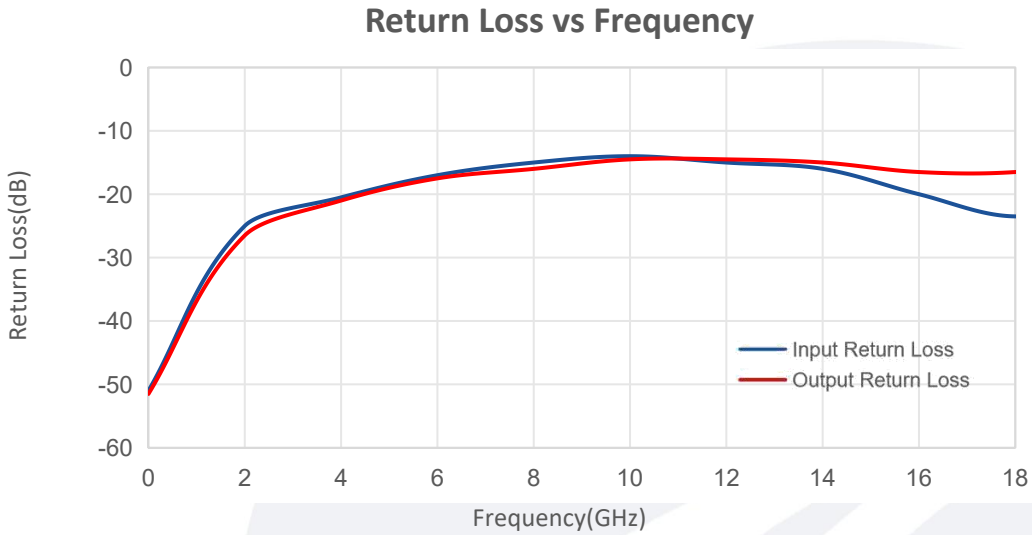
Ordering Information:

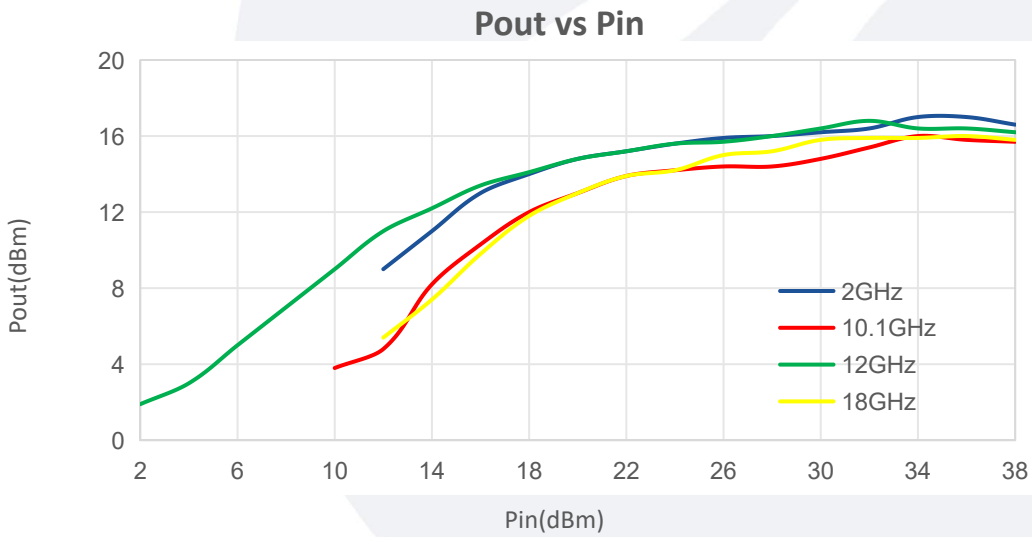
Base Number	Description	Revision
TLMTDC18G-8W-16	Power Limiter, DC-18GHz, Limiting power:16 dBm	Rev.1.1

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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.