Suzhou Talent Microwave,Inc
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Power Limiter

DC-40GHz /2W,Power Handling Model: TLMTDC40G-33-29

The TLMTDC40G-33-29is a broadband limiter product. This limiter has an operating frequency range that can cover DC-50 GHz and features stable performance.

Features:

- Ultra Wide Band:DC-40 GHz
- RF Power Handling:2W(CW)
- Limiting power:29 dBm
- Low Insertion Loss
- 50 Ohm Matched Input / Output

Applications:

- Communication receiver
- Laboratory test
- Sensor radar

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	DC-40			GHz
插损 Insertion Loss		1		dB
限幅电平 Limiting power		29		dBm
输入回波损耗 Input Ruturn Loss		-18		dB
输出回波损耗 Output Ruturn Loss		-18		dB
耐功率 Power handling	2W(CW)			
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	SMA Male/SMA Female	
长度 Length	42.2	mm

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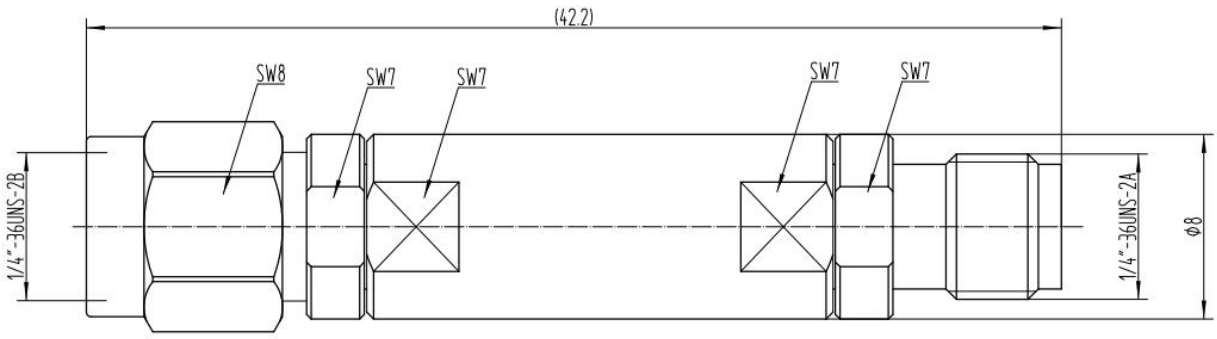
绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
输入功率 RF Input Power	+33 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形图 Outline Drawing:

Unit:mm



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

温度环境 Environmental Conditions:

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

订货信息 Ordering Information:

标准型号 Base Number	描述 Desciption	版本号 Revision
TLMTDC40G-33-29	Power Limiter, DC-40GHz, Limiting power:29 dBm	Rev.1.1

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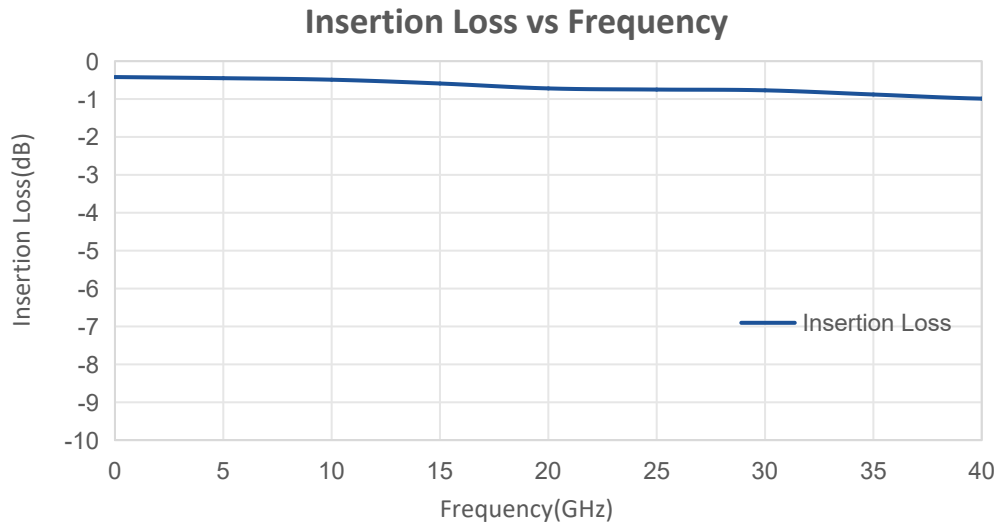
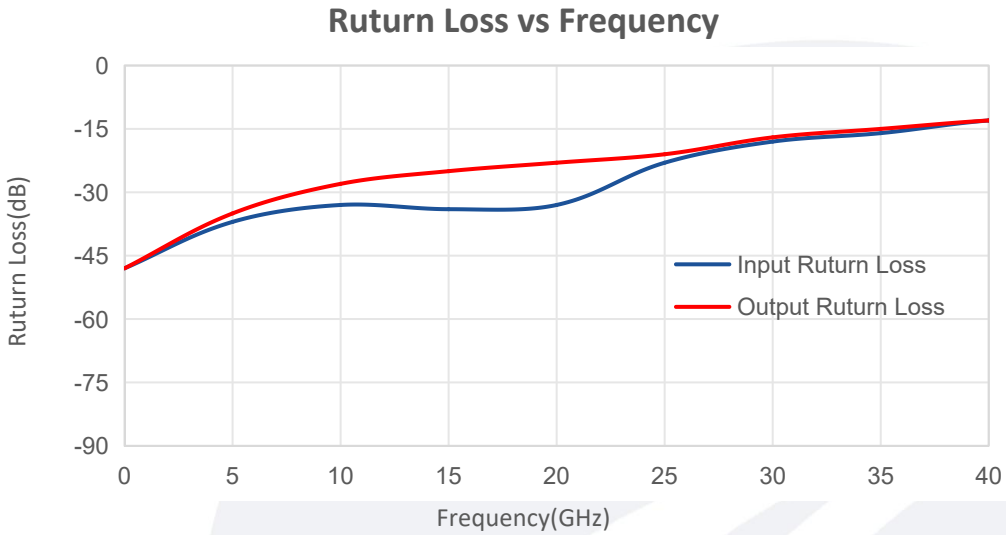
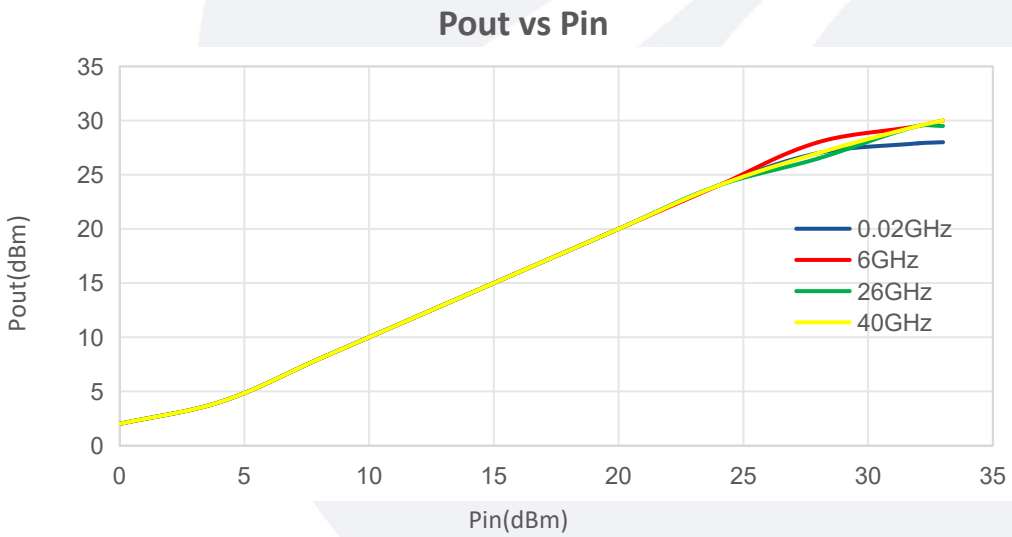
典型曲线 Typical Performance Data:







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.