

## Power Limiter

### DC-8GHz /43dBm Power Handling

Model: TLMTDC8G-43-15

The TLMTDC8G-43-15 is a broadband limiter product. This limiter has an operating frequency range that can cover DC-8 GHz and features stable performance.

#### Features:

- Frequency range:DC-8 GHz
- RF Power Handling:43dBm(CW)
- Limiting power:15 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-8		GHz
插损 Insertion Loss		0.8		dB
限幅电平 Limiting power		15		dBm
输入驻波 Input VSWR		1.3		:1
输出驻波 Output VSWR		1.3		:1
耐功率 Power handling		43(CW)		dBm
阻抗 Impedance		50		Ohms

### 机械特性 Mechanical Specifications:

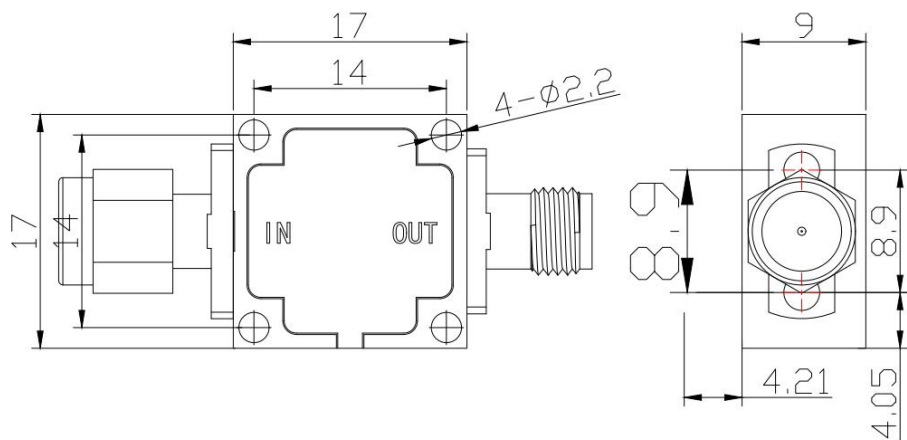
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	SMA Male/SMA Female	
尺寸 Size	17*17*9	mm

## 绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
输入功率 RF Input Power	+43 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.

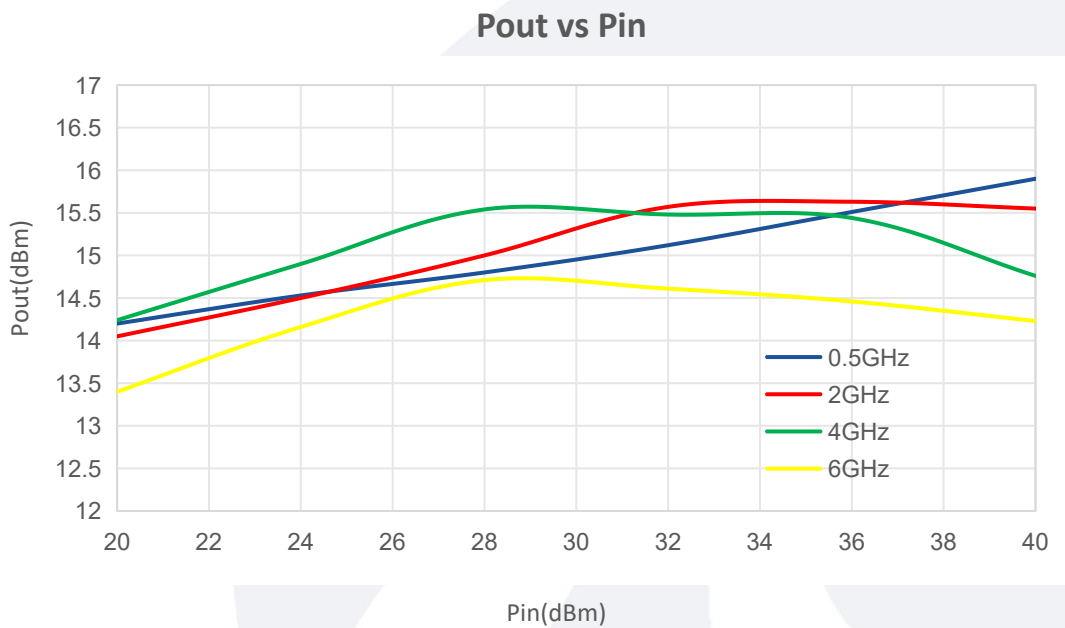
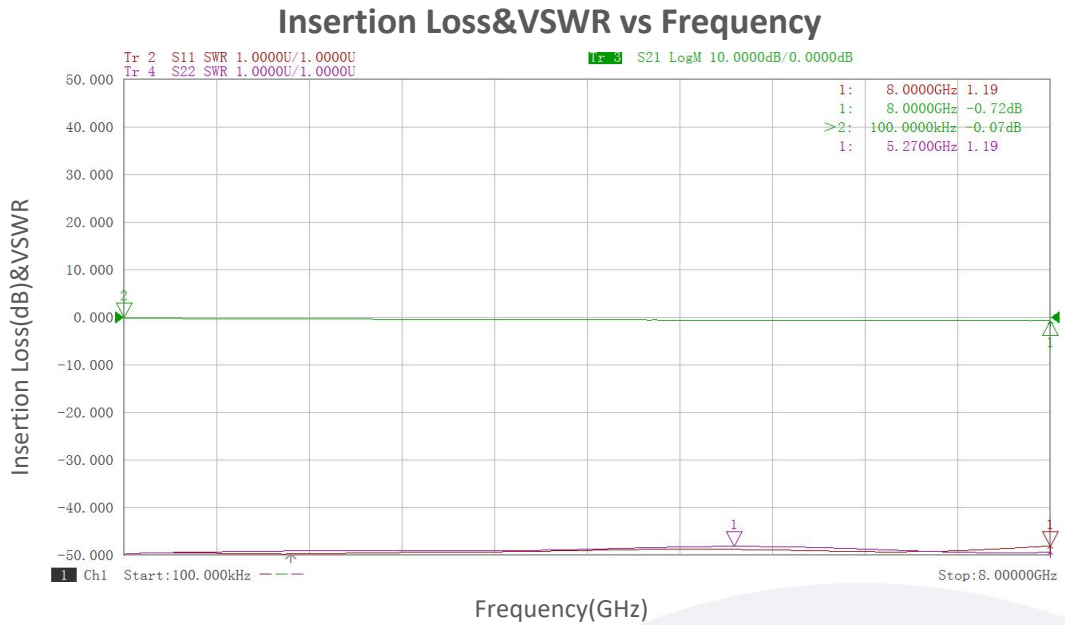
## 温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
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 Description	版本号 Revision
TLMTDC8G-43-15	Power Limiter, DC-8GHz, Limiting power:15dBm	Rev.1.2

## 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.