

## 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: 30dBm(CW)@10GHz
- Limiting power: 13 dBm@10GHz
- 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-70		GHz
插损 Insertion Loss		4		dB
限幅电平 Limiting power	@10GHz	13		dBm
	@20GHz	11		
	@30GHz	9.5		
	@40GHz	8.5		
	@50GHz	8.5		
输入驻波 Input VSWR		2.0		:1
输出驻波 Output VSWR		2.0		:1
耐功率 Power handling		30(CW)		dBm
阻抗 Impedance		50		Ohms

### 机械特性 Mechanical Specifications:

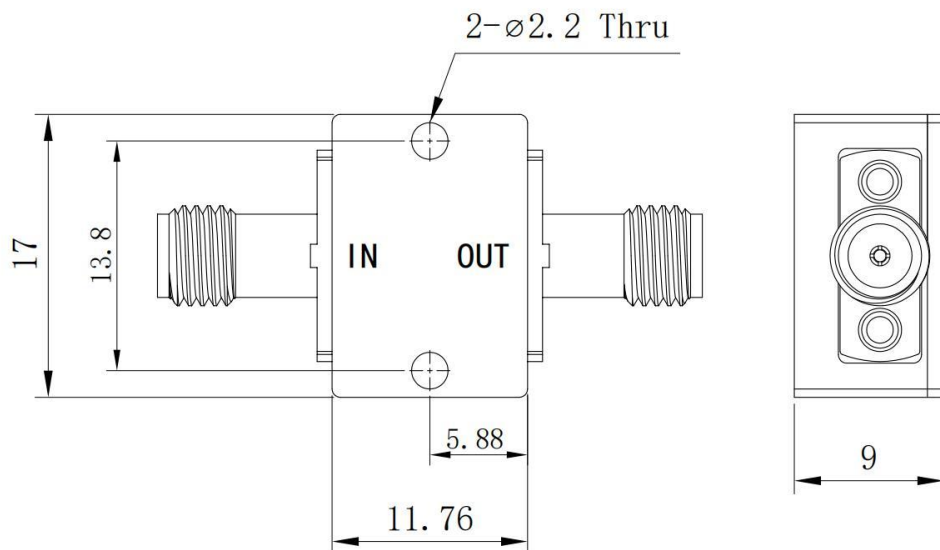
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	1.85mm Female/1.85mm Female	
尺寸 Size	11.76*17*9	mm

## 绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
输入功率 RF Input Power	+30 dBm@10GHz
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
TLMTDC70G-30-13	Power Limiter, DC-70GHz, Limiting power:13 dBm	Rev.1.1