

## Power Limiter

6GHz -18GHz/30dBm Power Handling

Model: TLMT6G18G-30-11

The TLMT6G18G-30-11 is a broadband limiter product. This limiter has an operating frequency range that can cover 6 GHz to 18GHz and features stable performance.

### Features:

- Frequency range:6-18 GHz
- RF Power Handling:30dBm(CW)
- Limiting power:11 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	6-18			GHz
插损 Insertion Loss			2	dB
限幅电平 Limiting power		11		dBm
输入驻波 Input VSWR		1.8		:1
输出驻波 Output VSWR		1.8		:1
耐功率 Power handling	30(CW)			dBm
阻抗 Impedance	50			Ohms

### 机械特性 Mechanical Specifications:

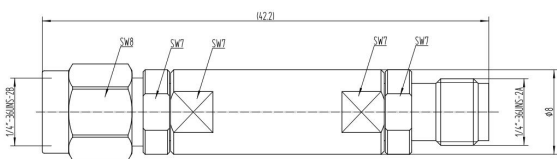
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	2.92mm Male/2.92mm Female	
长度 Length	42.2	mm

## 绝对最大值 Absolute Maximum Ratings:

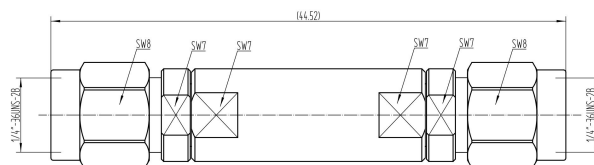
参数 Parameter	指标 Value
输入功率 RF Input Power	+30 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

## 外形图 Outline Drawing:

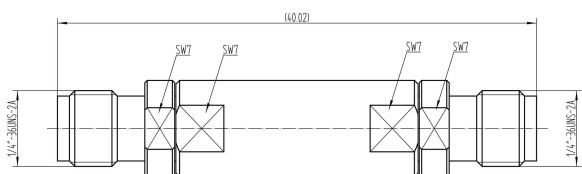
Unit:mm



TLMT6G18G-30-11



TLMT6G18G-30-11-MM



TLMT6G18G-30-11-FF



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

## 温度环境 Environmental Conditions:

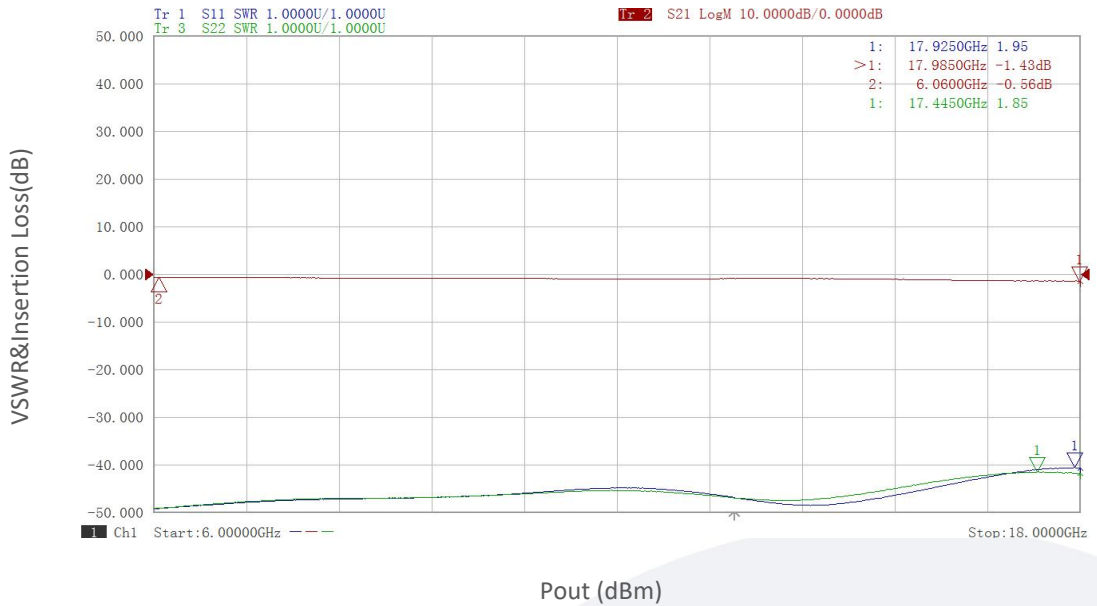
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude		10,000		feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc 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
TLMT6G18G-30-11	Power Limiter, 6-18GHz, Limiting power: 11dBm	Rev.1.0

典型曲线 Typical Performance Data:

Insertion Loss&VSWR vs Frequency



P1dB vs Frequency

