

**Model:TMLA-076077-3245-12**

**Low Noise Amplifier**  
**76-77GHz, NF:4.5 dB, Gain:32 dB**

**Feature:**

- Ultra Wide Band:76-77 GHz
- Gain: 32dB Typ
- Noise Figure: 4.5dB Typ
- Unconditional stability

**电气特性 Electrical:**

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	76		77	GHz
增益 Gain	31	32	33	dB@76.5-77GHz
	30	32	34	dB@76-77GHz
噪声系数 Noise Figure	3.5	4.5	5.0	dB
输出功率1dB压缩点 Output P1dB	10	11		dBm
直流电压 DC Voltage		+5		V DC
直流供电 DC power supply		200		mA

**机械特性 Mechanical :**

参数Parameter	指标 Value
输入接口 Input Connector	WR-12/ UG-387/U
输出接口 Output Connecto	WR-12/ UG-387/U
供电引脚 Power Supply Pin	Solder Pin
尺寸 Size	48mm×42mm×24mm

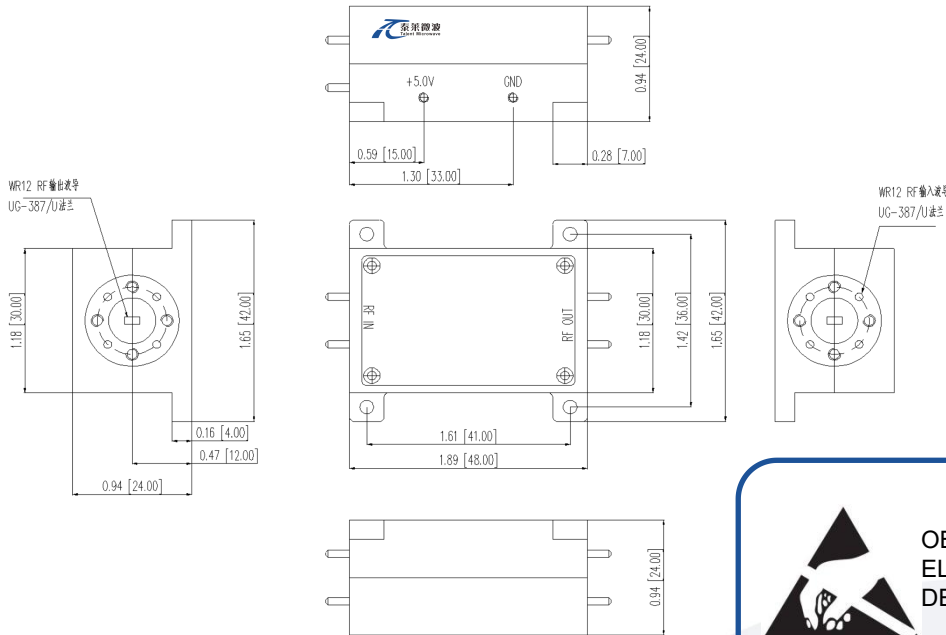
**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+5V
输入功率 RF INPUT POWER	TBD
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V



**外形尺寸 Outline Drawing:**

Unit: mm(Inches)



**温度环境 Environmental Conditions:**

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-25		+65	°C
存储温度 Non-operating Temperature	-45		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			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 Part Number	描述 Description	版本号Revision
TMLA-076077-3245-12	Low Noise Amplifier, 76-77GHz, Noise Figure:4.5 dB, Gain:32dB, P1dB:12dBm,5V DC WR-12	Rev.1.1

典型曲线 Typical Performance Data:

