

**Model:TLLA18G27G-52-28**
**Low Noise Amplifier**  
**18-27GHz, NF:2.8dB, Gain:52dB, P1dB:8dBm**
**Feature:**

- Ultra Wide Band: 18-27GHz
- Gain:52dB Min
- Noise Figure: 2.8dB Max
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

**电气特性 Electrical:**

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	18-27			GHz
增益 Gain	52			dB
增益平坦度 Gain Flatness		±0.6		dB
噪声系数 Noise Figure			2.8	dB
线性输出功率P1dBm	8			dBm
输入驻波 Input VSWR			2	:1
直流电压 DC Voltage		12		V DC
直流电流 DC Supply Current		200		mA
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

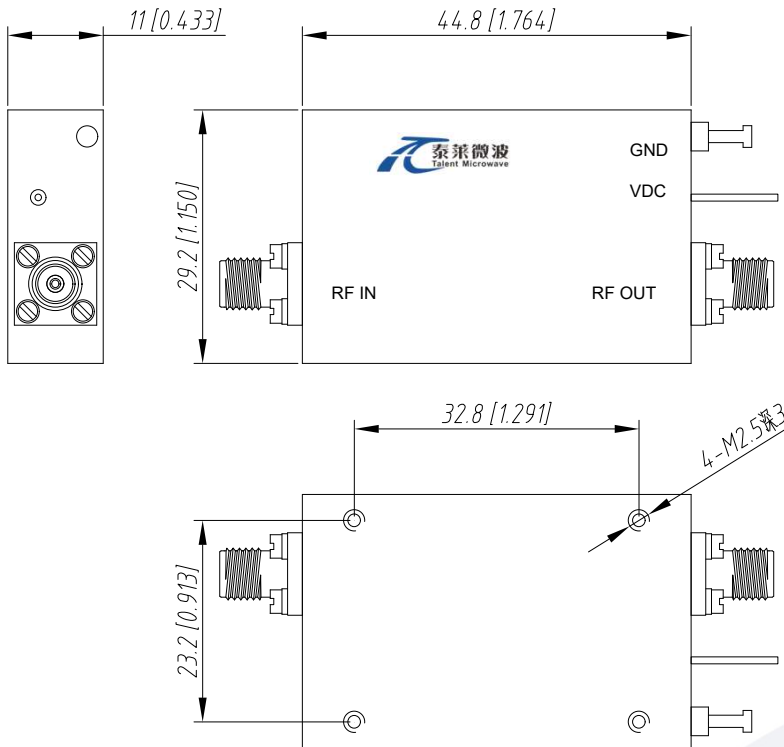
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.92mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	44.8*29.2*11	mm
重量 Weight	/	g


**绝对最大值 Absolute Maximum Ratings:**

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

**外形尺寸 Outline Drawing:**

Unit: mm(Inches)



**\*\*\*Heat Sink Required During Operation**

**温度环境 Environmental Conditions:**

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-55		+85	°C
存储温度 Non-operating Temperature	-55		+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
TLLA18G27G-52-28	Low Noise Amplifier, 18-27GHz, Noise Figure:2.8 dB, Gain:52 dB,12V DC,Without Heatsink	Rev.1.1
TLLA18G27G-52-28-HS	Low Noise Amplifier, 18-27GHz, Noise Figure:2.8 dB, Gain:52dB,12V DC,With Heatsink	Rev.1.1

典型曲线 Typical Performance Data:

Gain&VSWR VS. Frequency

