

Model:TLLA8G28G-28-25
Low Noise Amplifier
8-28GHz, NF:2.5dB, Gain:27.5 dB,P1dB:10dBm
Feature:

- Ultra Wide Band: 8-28GHz
- Gain: 27.5dB Typ
- Noise Figure: 2.5 dB Typ
- Unconditional stability
- 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	8-28			GHz
增益 Gain	25	27.5	30	dB
增益平坦度 Gain Flatness		±2.5		dB
噪声系数 Noise Figure		2.5		dB
输出功率1dB压缩点 Output P1dB		10		dBm
饱和功率Psat		11		dBm
输入驻波 Input VSWR		2.0		: 1
输出驻波 Output VSWR		2.0		: 1
直流电压 DC Voltage		+12		V DC
直流供电 DC power supply		200		mA
阻抗 Impedance		50		Ohms

机械特性 Mechanical :

参数Parameter	指标 Value
输入接口 Input Connector	2.92mm Female
输出接口 Output Connecto	2.92mm Female
供电引脚 Power Supply Pin	Solder Pin
尺寸 Size	/

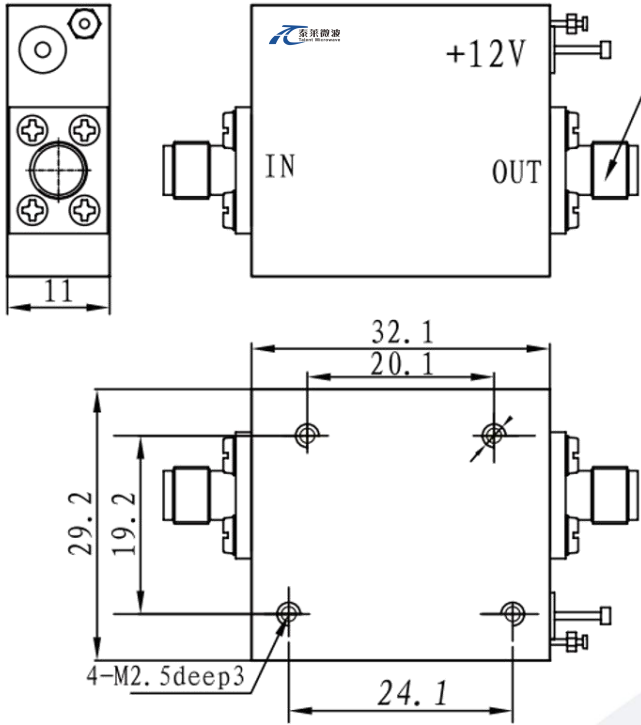

 Available 220V System
 Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
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	-40		+85	°C
存储温度 Non-operating Temperature	-55		125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	10000		30000	feet
震动 Shock / Vibration(MIL-STD-810F)		Airborne		
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
TLLA8G28G-28-25	Low Noise Amplifier 8-28GHz, NF:2.5dB, Gain:27.5dB,P1dB:10dBm,2.92mm Female	Rev.1.1