

Model: TLA23.8G24.2G-15-30
Low Noise Amplifier
23.8-24.2GHz, NF:3.0 dB, Gain:15 dB
,P1dB:9dBm
Feature:

- Ultra Wide Band: 23.8-24.2GHz
- Gain: 15dB Typ
- Noise Figure: 3.0dB Typ
- 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	23.8-24.2			GHz
增益 Gain	14	15		dB
增益平坦度 Gain Flatness		±0.5		dB
噪声系数 Noise Figure		3.0		dB
线性输出功率P1dB	9			dBm
输入驻波 Input VSWR			1.8	:1
输出驻波 Output VSWR			1.8	:1
直流电压 DC Voltage		12		V DC
直流电流 DC Supply Current		80		mA
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

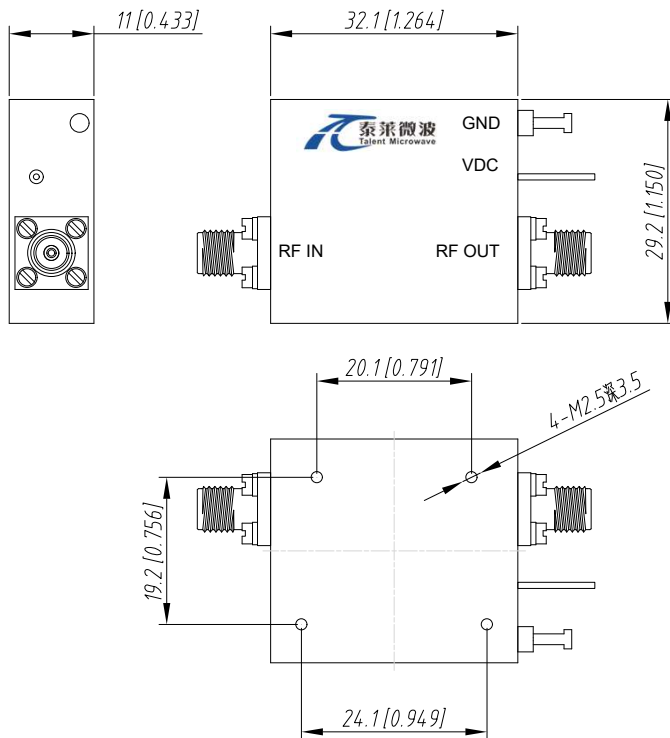
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.92mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	32.1*29.2*11	mm
重量 Weight	/	g


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
TLA23.8G24.2G-15-30	Low Noise Amplifier, 23.8-24.2GHz, Noise Figure:3.0 dB, Gain:15 dB,P1dB:9dBm,12V DC,Without Heatsink	Rev.1.1
TLA23.8G24.2G-15-30-HS	Low Noise Amplifier, 23.8-24.2GHz, Noise Figure:3.0 dB, Gain:15 dB,P1dB:9dBm,12V DC,With Heatsink	Rev.1.1