

Model:TLLA0.03G6G-38-20
**Low Noise Amplifier, 0.03-6GHz
 Noise Figure:2dB, Gain:38dB,P1dB:13dBm**
Feature:

- Ultra Wide Band:0.03-6GHz
- Gain: 38dB Min
- Noise Figure: 2.0dB
- 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	0.03-6			GHz
增益 Gain	38			dB
增益平坦度 Gain Flatness		±2		dB
噪声系数 Noise Figure			2.0	dB
线性输出功率P1dB	13			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
直流电流 DC Supply Current		120		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	SMA-Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	/	mm
重量 Weight	/	g

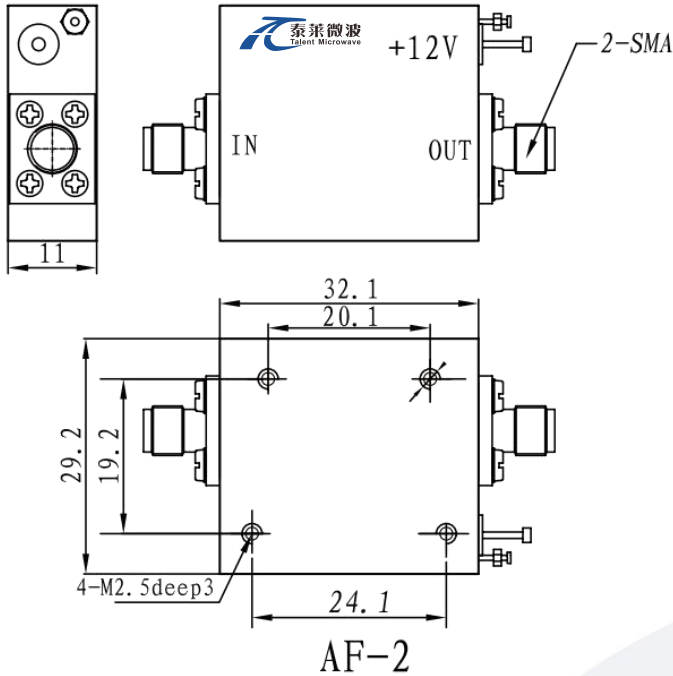

 Available 220V System
 Benchtop Amplifier

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)



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

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	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
TLLA0.03G6G-38-20	Low Noise Amplifier, 0.03-6GHz, Noise Figure:2.0dB, Gain:38dB,P1dB:13dBm,12V DC,Without Heatsink	Rev.1.1