

Model: TMLA-110170-3560-06

Low Noise Amplifier 110-170GHz, NF:4.8 dB, Gain:33 dB

Feature:

- Ultra Wide Band: 110-170 GHz
- Gain: 33dB Typ
- Noise Figure: 4.8dB Typ
- Unconditional stability

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	110		170	GHz
增益 Gain		33		dB
噪声系数 Noise Figure		4.8		dB
输出功率1dB压缩点 Output P1dB		0		dBm
输入驻波 Input VSWR		2.5		: 1
输出驻波 Output VSWR		2		: 1
直流电压 DC Voltage		7		V DC
直流供电 DC power supply		53		mA

机械特性 Mechanical :

参数Parameter	指标 Value
输入接口 Input Connector	WR-06/ UG-387/U
输出接口 Output Connecto	WR-06/ UG-387/U
供电引脚 Power Supply Pin	Solder Pin
尺寸 Size	/

绝对最大值 Absolute Maximum Ratings:

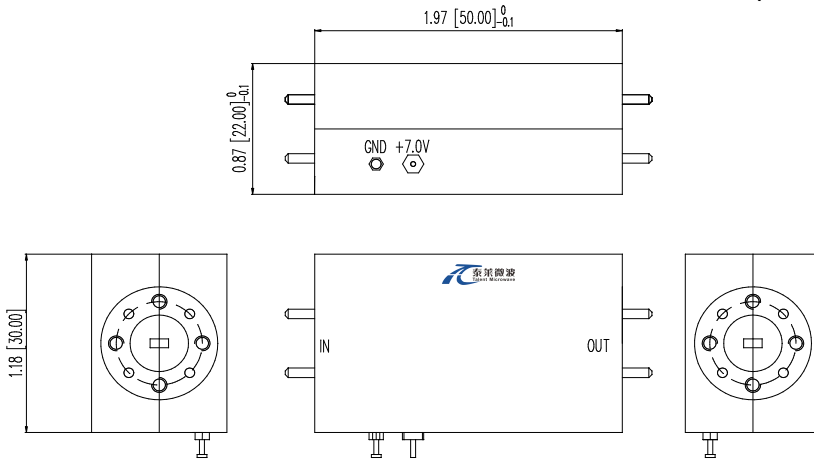
参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+7V
输入功率 RF INPUT POWER	TBD
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

外形尺寸 Outline Drawing:

Unit: mm(Inches)



温度环境 Environmental Conditions:

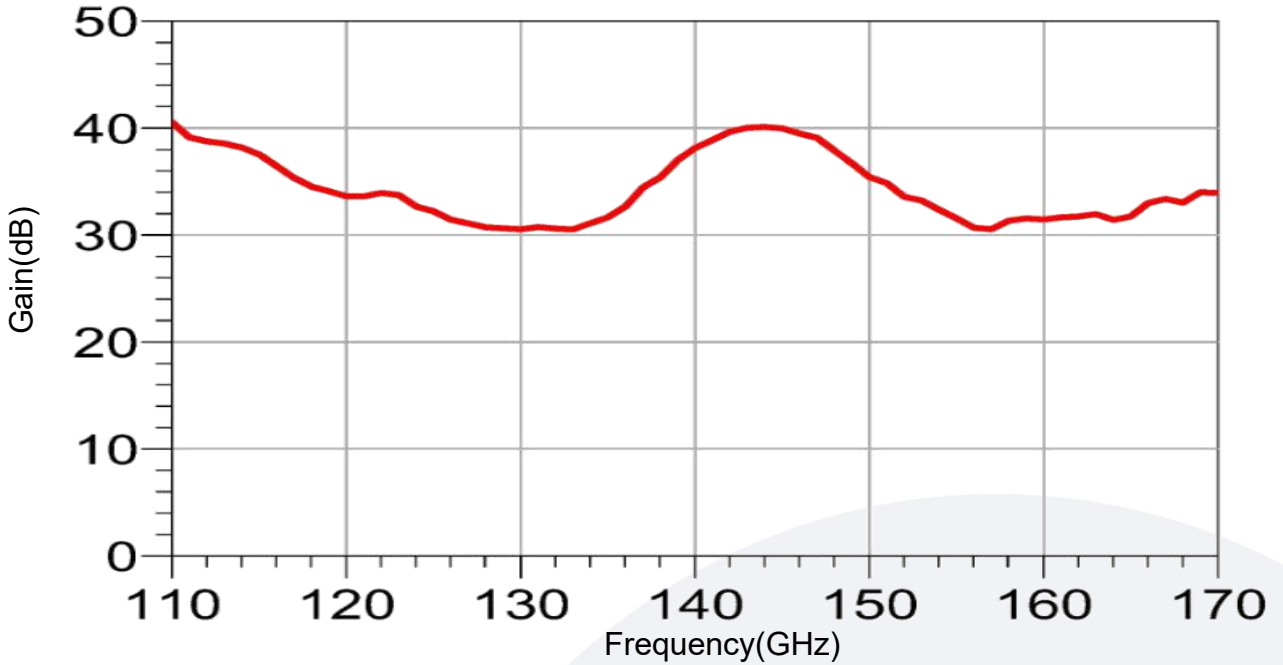
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-55		+85	°C
存储温度 Non-operating Temperature	-45		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

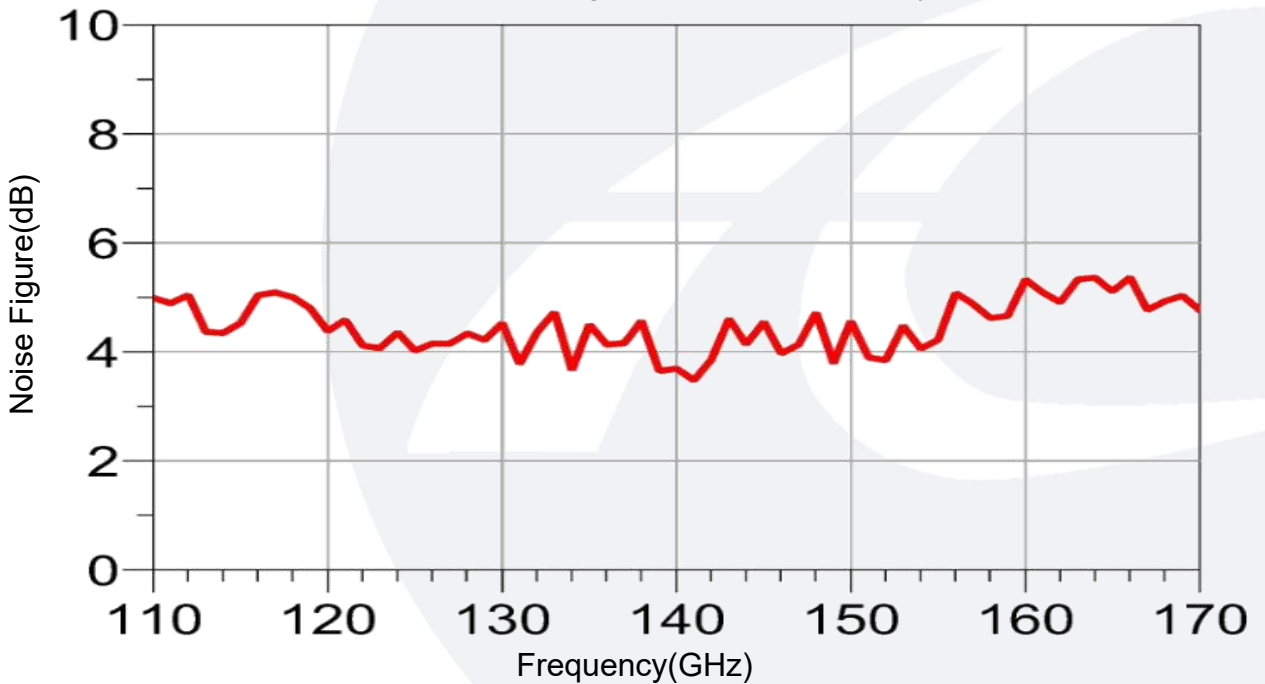
标准型号 Part Number	描述 Description	版本号Revision
TMLA-110170-3560-06	Low Noise Amplifier, 110-170GHz, Noise Figure:4.8dB, Gain:33dB, P1dB:0dBm,7V DC,WR-06	Rev.1.1

典型曲线 Typical Performance Data:

Gain vs Frequency



Noise Figure vs Frequency



典型曲线 Typical Performance Data:

VSWR vs Frequency

