

Model: TMLA-050075-3350-15
**V-band Low Noise Amplifier
 50-75 GHz, NF:5.0 dB, Gain:33 dB**
Feature:

- Ultra Wide Band: 50-75 GHz
- Gain: 33dB Typ
- Noise Figure: 5.0dB Typ
- Unconditional stability

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	50		75	GHz
增益 Gain	28	33	38	dB
噪声系数 Noise Figure		5.0		dB
输出功率1dB压缩点 Output P1dB		15		dBm
输入驻波 Input VSWR		2.5		: 1
输出驻波 Output VSWR		2.5		: 1
直流电压 DC Voltage		+5		V DC
直流供电 DC power supply		430		mA

机械特性 Mechanical :

参数Parameter	指标 Value
输入接口 Input Connector	WR-15/UG-385
输出接口 Output Connecto	WR-15/UG-385
供电引脚 Power Supply Pin	Solder Pin
尺寸 Size	45mm×42mm×42mm

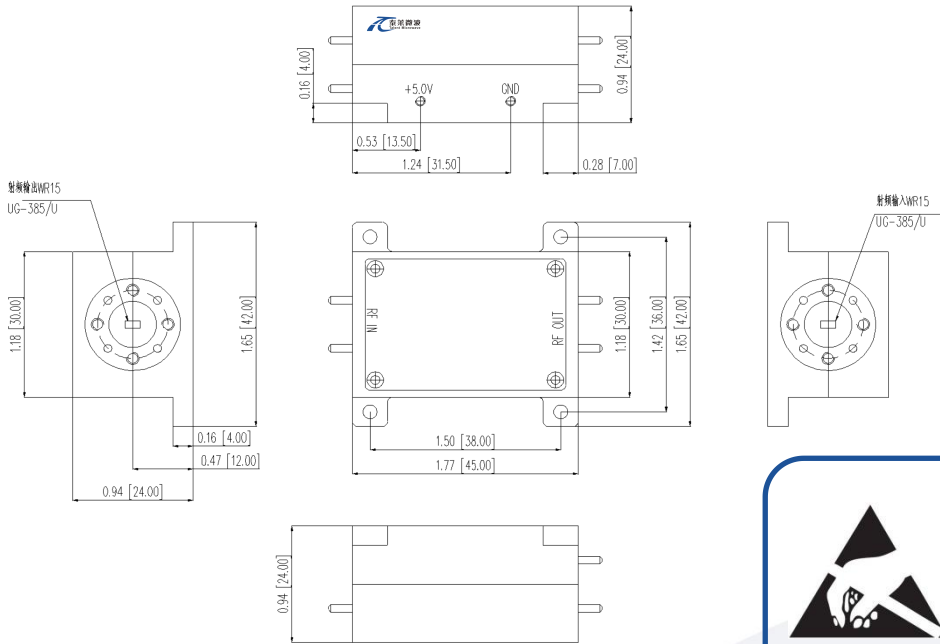

 Available 220V System
 Benchtop Amplifier

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: Inches(mm)



温度环境 Environmental Conditions:

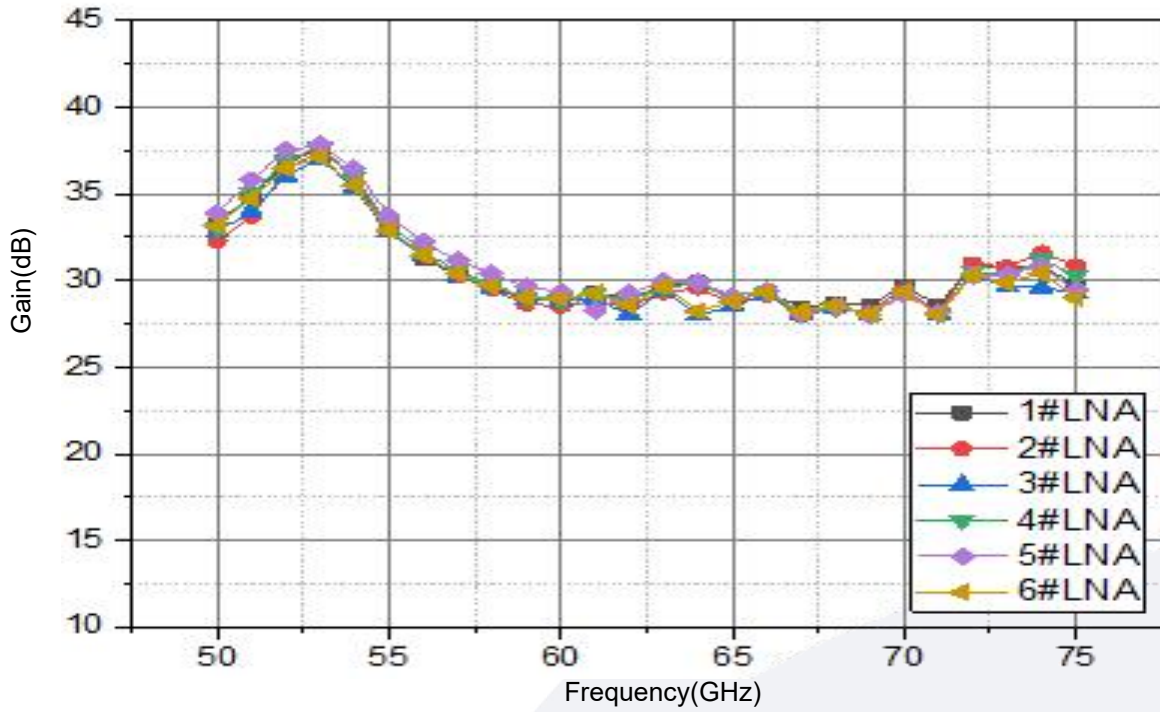
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	0		+65	°C
存储温度 Non-operating Temperature	-45		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

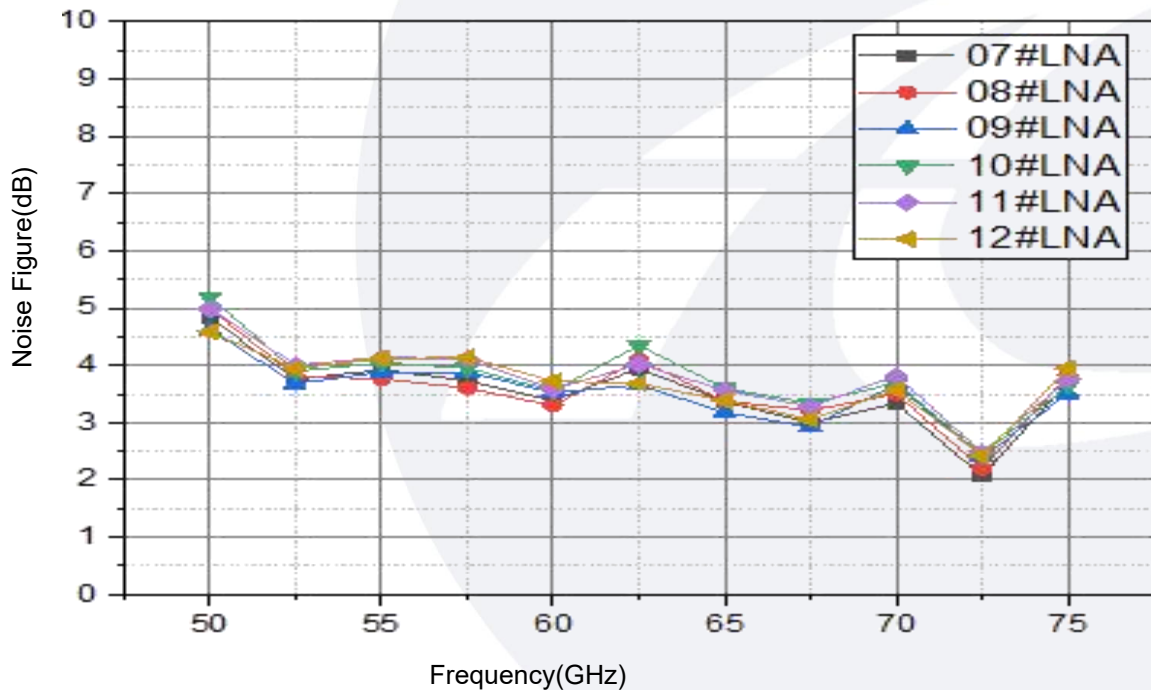
标准型号 Part Number	描述 Description	版本号Revision
TMLA-050075-3350-15	V-band Low Noise Amplifier, 50-75 GHz, Noise Figure:5 dB, Gain:33 dB, P1dB:15dBm,5V DC WR-15	Rev.1.1

典型曲线 Typical Performance Data:

Gain vs Frequency



Noise Figure vs Frequency



典型曲线 Typical Performance Data:

P1dB vs Frequency

