

Model:TLLA26G40G-35-50
Low Noise Amplifier
26-40GHz, NF:5dB, Gain:35dB,P1dB:21dBm
Feature:

- Ultra Wide Band: 26-40GHz
- Gain: 35dB Min
- Noise Figure: 5.0dB 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	26-40			GHz
增益 Gain	35			dB
增益平坦度 Gain Flatness		±2.0		dB
噪声系数 Noise Figure		5.0		dB
线性输出功率P1dB		21		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	+8	+12		V DC
直流电流 DC Supply Current		200		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	2.92 Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	40*35*12	mm
重量 Weight	50	g

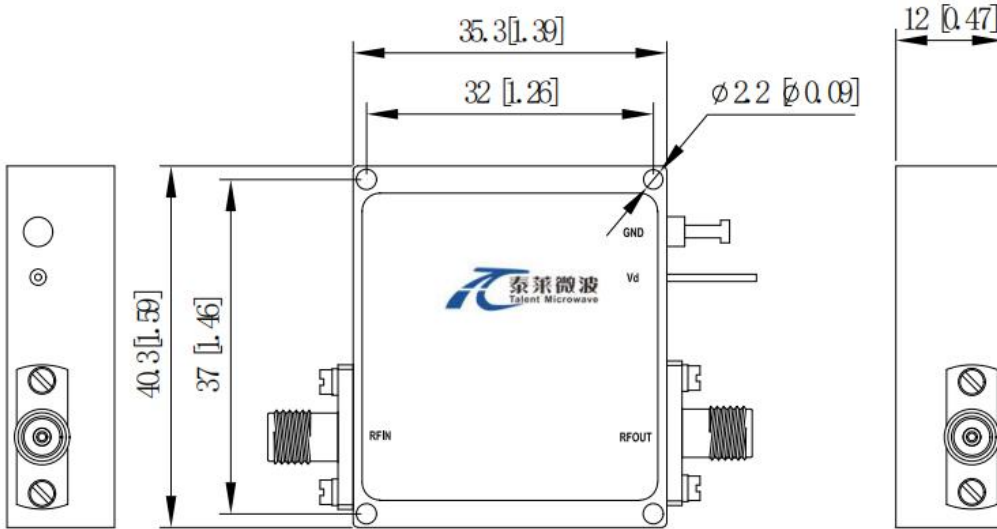

 Available 220V System
 Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+20 V
输入功率 RF INPUT POWER	+15 dBm
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



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

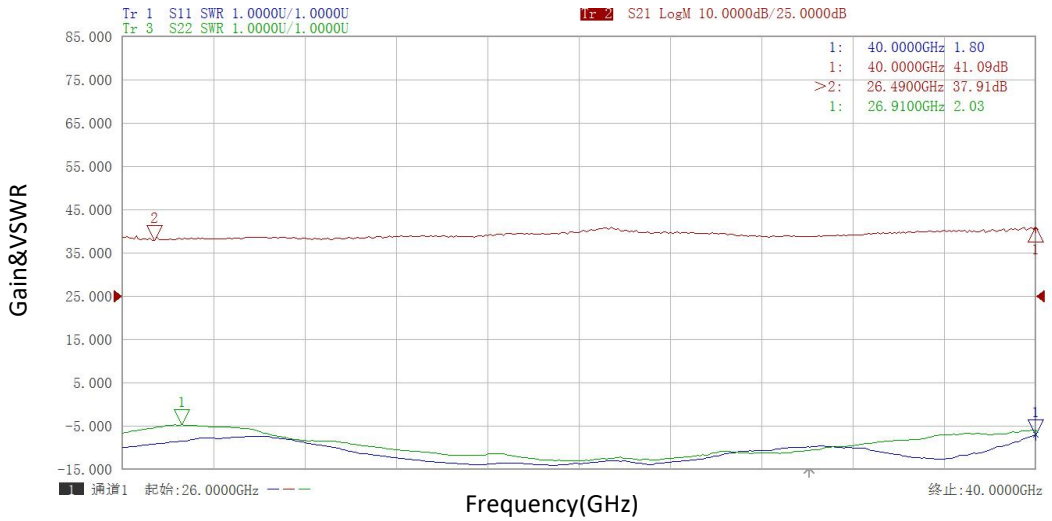
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc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

订货信息 Ordering Information:

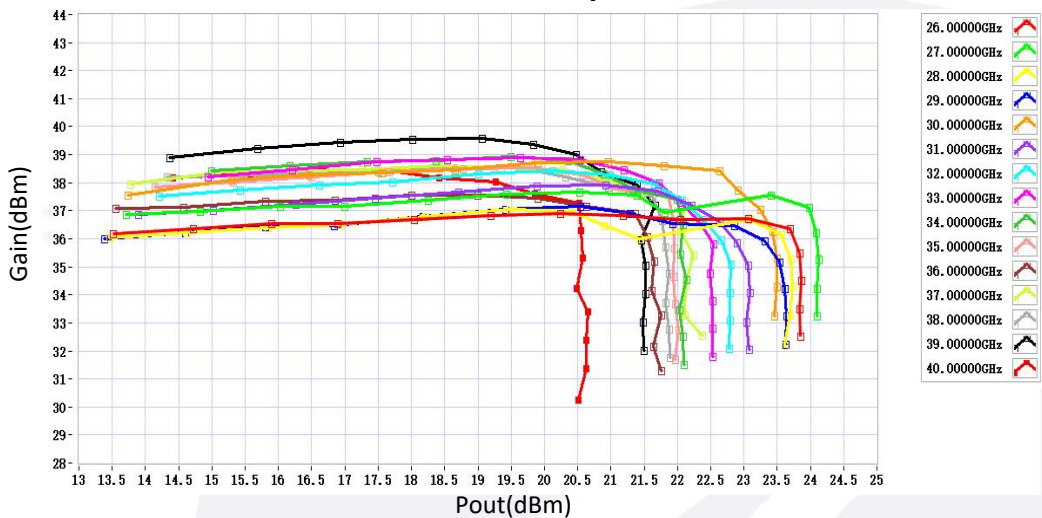
标准型号 Part Number	描述 Description	版本号Revision
TLLA26G40G-33-50	Low Noise Amplifier, 26-40GHz, Noise Figure:5.0 dB, Gain:35 dB,P1dB:21dBm,12V DC,Without Heatsink	Rev.1.1
TLLA26G40G-33-50-HS	Low Noise Amplifier, 26-40GHz, Noise Figure:5.0 dB, Gain:35 dB,P1dB:21dBm,12V DC,With Heatsink	Rev.1.1

典型曲线 Typical Performance Data:

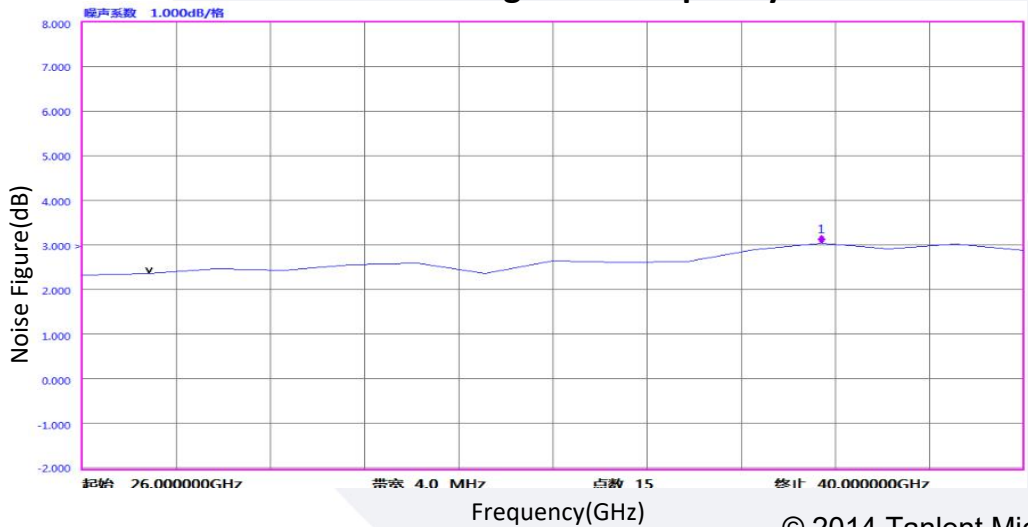
Gain&VSWR vs Frequency



Gain vs Output Power

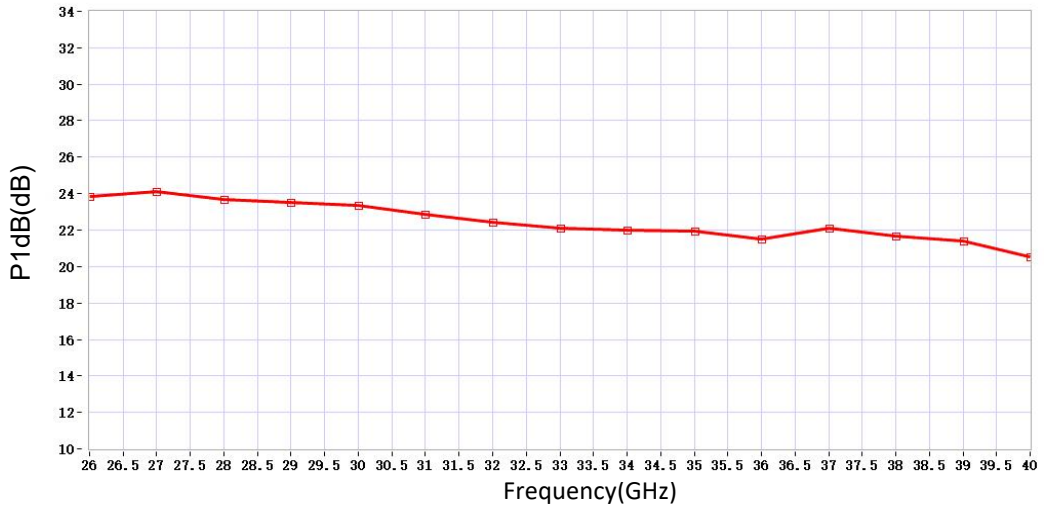


Noise Figure vs Frequency

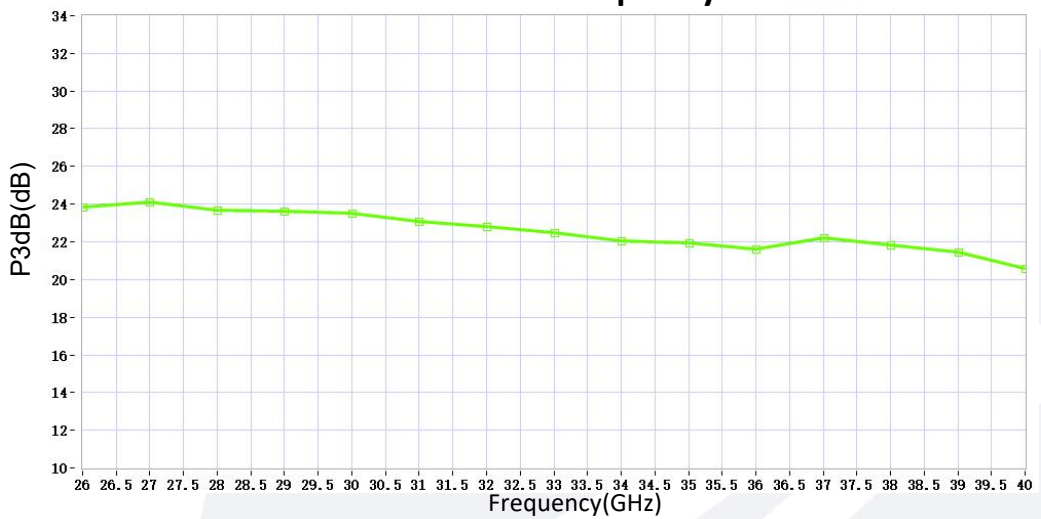


典型曲线 Typical Performance Data:

P1dB vs Frequency



P3dB vs Frequency



3rd Harmonic (dB) vs Output Power

