

Model:TLLA0.8G1.6G-32-13
L-Band Low Noise Amplifier
0.8-1.6GHz, NF:0.5dB, Gain:32 dB,P1dB:13dBm
Feature:

- Ultra Wide Band: 0.8-1.6GHz
- Gain: 32dB Type
- Noise Figure: 0.5dB Typ
- Unconditional stability
- 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	0.8-1.6			GHz
增益 Gain	27	32		dB
增益平坦度 Gain Flatness		±1.0	±1.75	dB
噪声系数 Noise Figure		0.5	0.6	dB
线性输出功率P1dB	12	13		dBm
输入驻波 Input VSWR		1.4	1.8	: 1
输出驻波 Output VSWR		1.4	1.8	: 1
直流电压 DC Voltage	4.85	5	6	V DC
直流供电 DC power supply		50	60	mA
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

参数Parameter	指标 Value
输入输出接口 Input /Output Connector	SMA Female
直流偏置 Bias	Solder Pin
尺寸 Size	17.8mm*20mm*8.35mm
重量 Weight	11 g

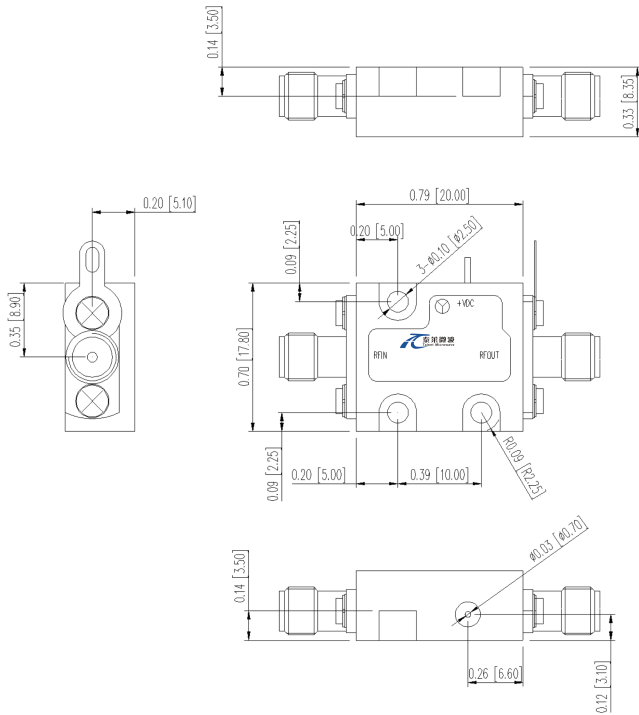

 Available 220V System
 Benchtop Amplifier

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	15 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: Inches



温度环境 Environmental Conditions:

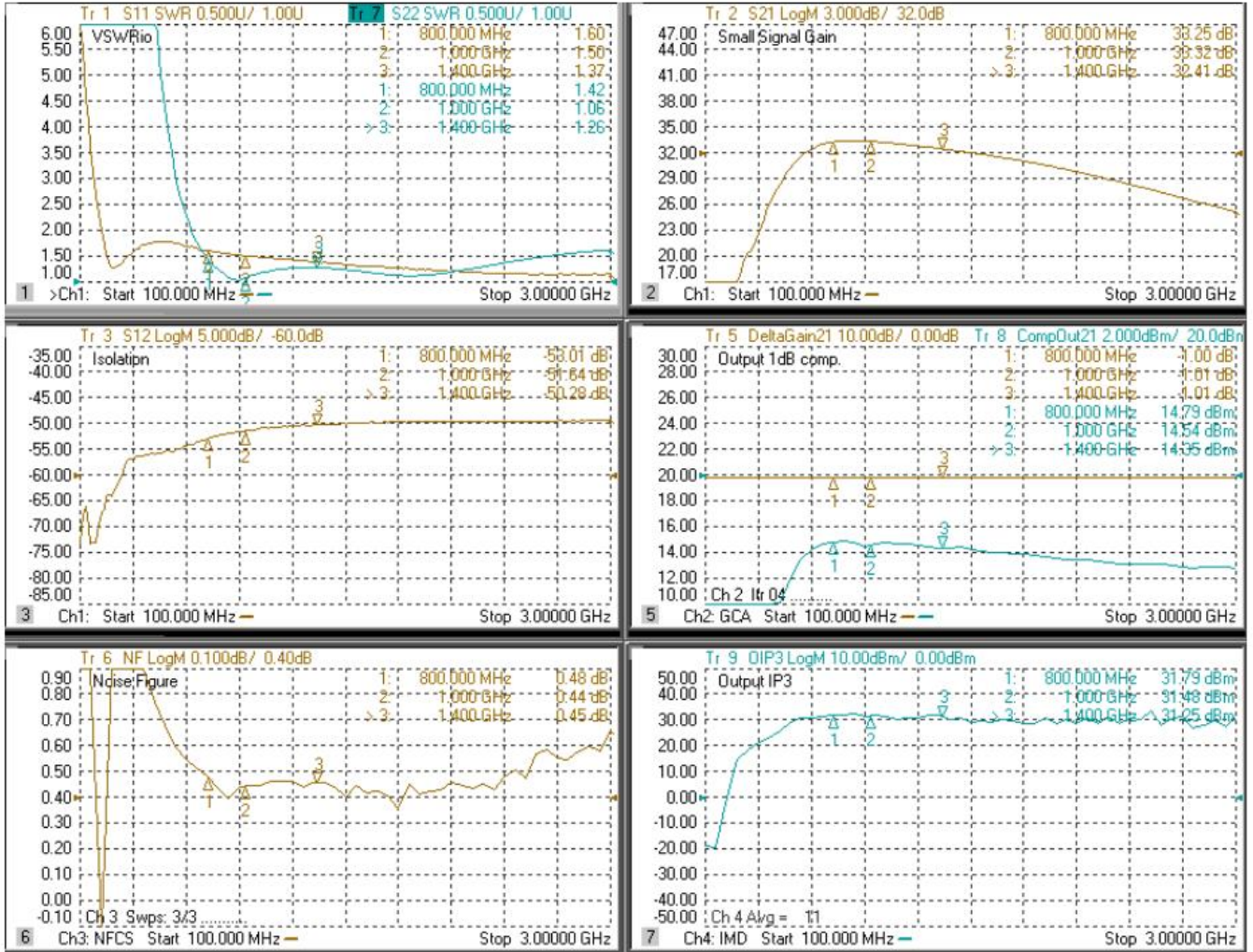
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-40		+70	°C
存储温度 Non-operating Temperature	-65		+150	°C
相对湿度 Relative humidity	100% RH at 35c,95%RH at 40°C			
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non 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
TLLA0.8G1.6G-32-13	L-Band Low Noise Amplifier,0.1-1.6GHz,Noise Figure:0.5dB, Gain:32 dB,P1dB:13dBm,SMA Female	Rev.1.1

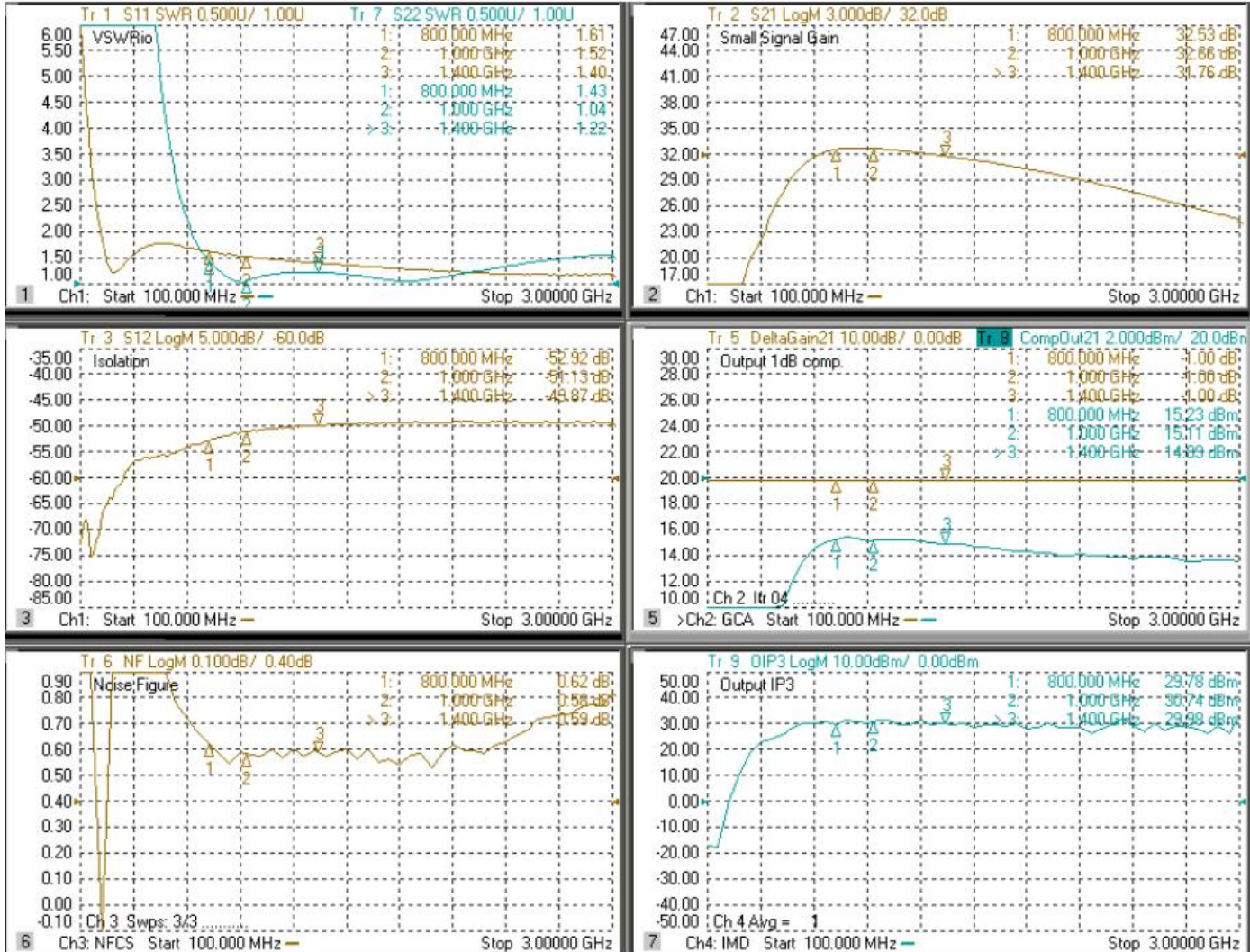
典型曲线 Typical Performance Data:

TA=25°C



典型曲线 Typical Performance Data:

TA=+70°C



典型曲线 Typical Performance Data:

TA=-55°C

