

Model:TLPA0.1G22G-35-33
Power Amplifier
0.1-22GHz,Gain:35dB,P1dB:33dBm
Feature:

- Ultra Wide Band: 0.1-22GHz
- Gain:33dB Min
- P1dB Output Power:33dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

参数Parameter	Min	Typ	Max	单位Units
频率范围 Frequency range		0.1-22		GHz
增益 Gain	33	35		dB
增益平坦度 Gain Flatness		±2.5		dB
线性输出功率 Output P1dB		30		dBm
饱和输出功率 Output Psat		33		dBm
输入驻波 Input VSWR		2		:1
输出驻波 Output VSWR		2		
直流电压 DC Voltage		+24	+25	V DC
直流电流 DC Supply Current		850		mA
阻抗 Impedance		50		Ohms

机械特性 Mechanical Specifications:

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female/SMA Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	50*30*12	mm
重量 Weight	/	g

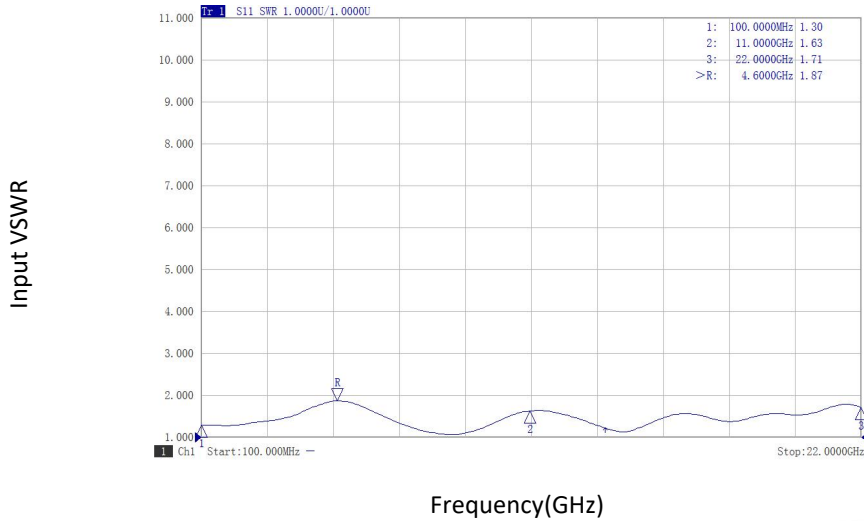
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+25V
输入功率 RF Input Power	0dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

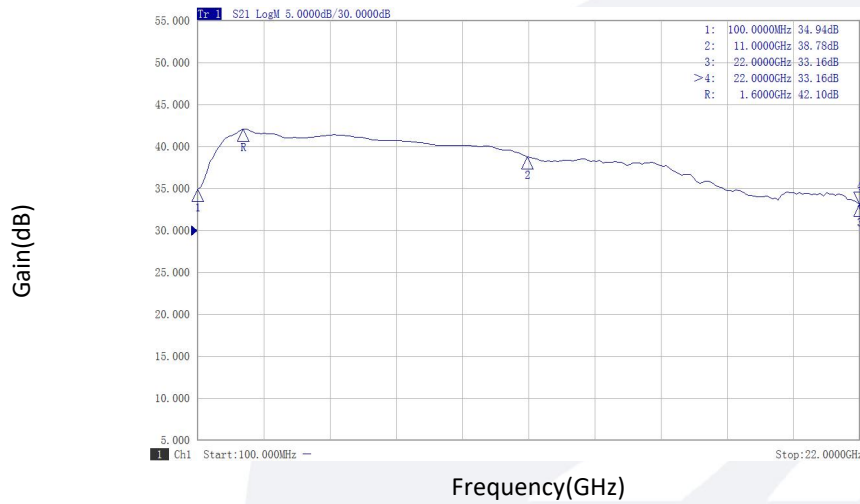

**Available 220V System
 Benchtop Amplifier**

典型曲线 Typical Performance Data:

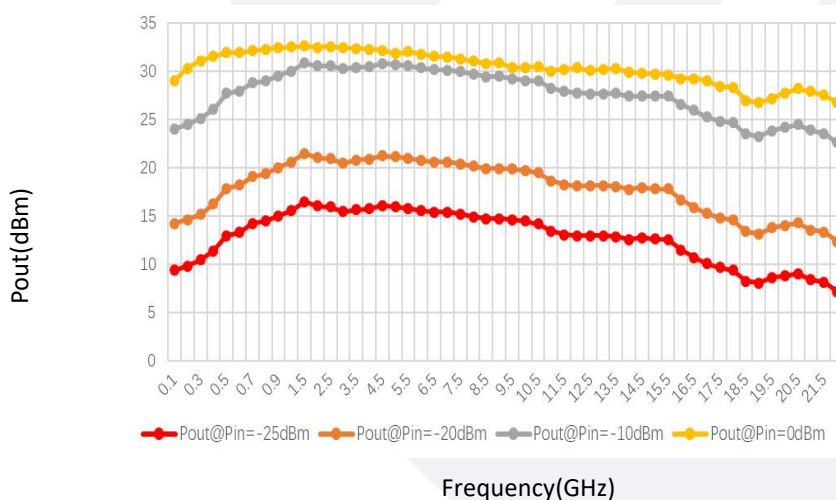
Input VSWR vs Frequency



Gain vs Frequency

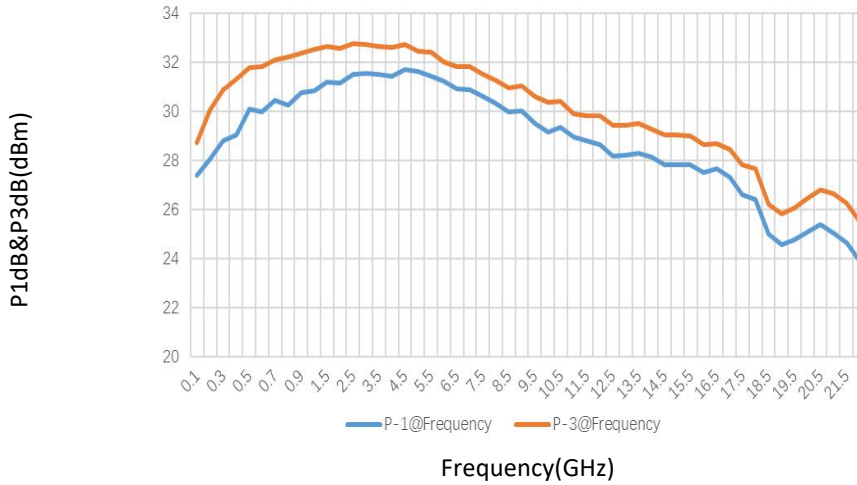


Pout@Equal_Pin

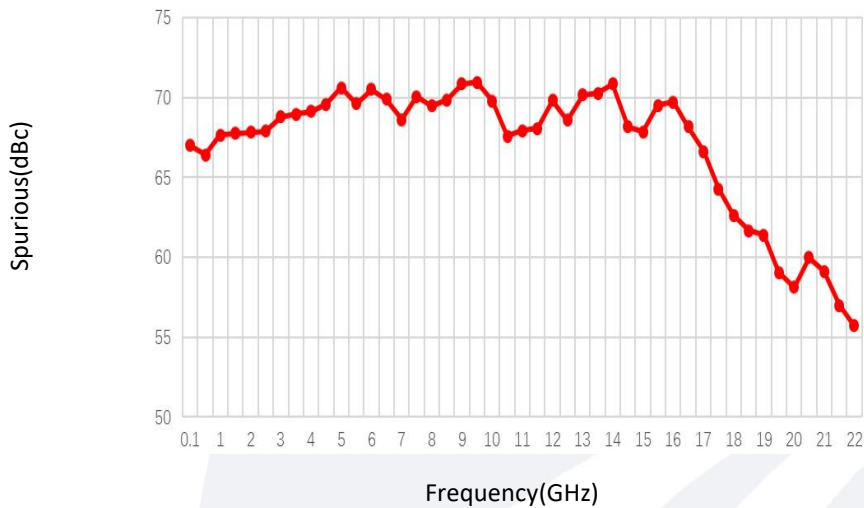


典型曲线 Typical Performance Data:

P1dB&P3dB VS Frequency



Spurious VS Frequency



Pout@Pin

