

Model:TLPA40G67G-39-34
Power Amplifier
40-67GHz, Gain:39dB, Psat:34dBm
Feature:

- Ultra Wide Band:40-67GHz
- Gain:39dB Typ
- Psat Output Power:34dBm 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		40-67			GHz
增益 Gain	40-60G	35	39		dB
	60-67G	33	35		
线性输出功率 Output P1dB			29		dBm
饱和输出功率 Output Psat		32	34		dBm
输入驻波 Input VSWR			5.8		:1
输出驻波 Output VSWR			2.3		:1
直流电压 DC Voltage			+20	+24	V DC
直流电流 DC Sopply Current			2.05		A
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	1.85 Female/1.85 Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	/	mm
重量 Weight	230	g

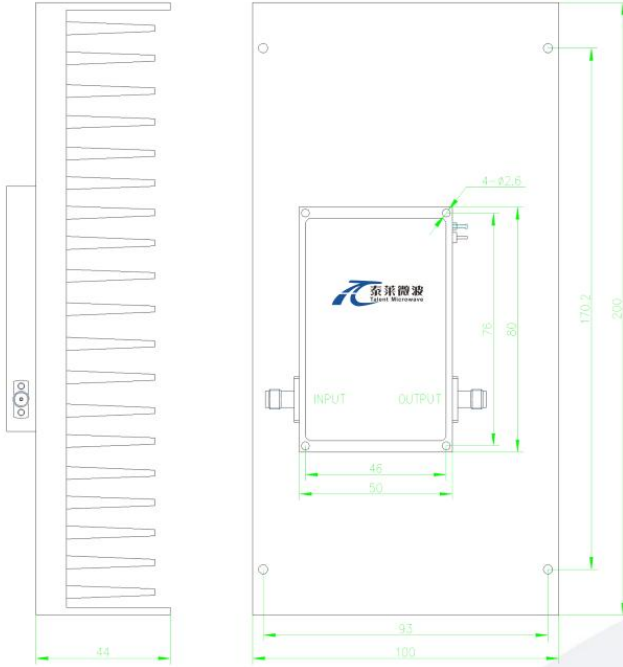
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+24V
输入功率 RF Input Power	15dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
Benchtop Amplifier**

外形尺寸 Outline Drawing:

Unit: mm



温度环境 Environmental Conditions:

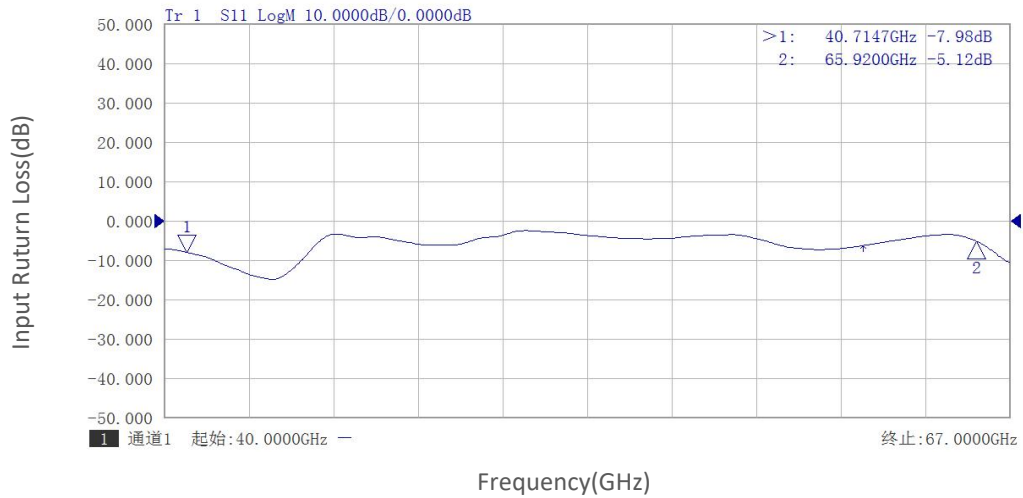
参数Parameter	Min	Typ	Max	单位Units
操作温度 Operating Temperature	-40		+85	°C
存储温度 Non-operating Temperature	-50		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	30000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

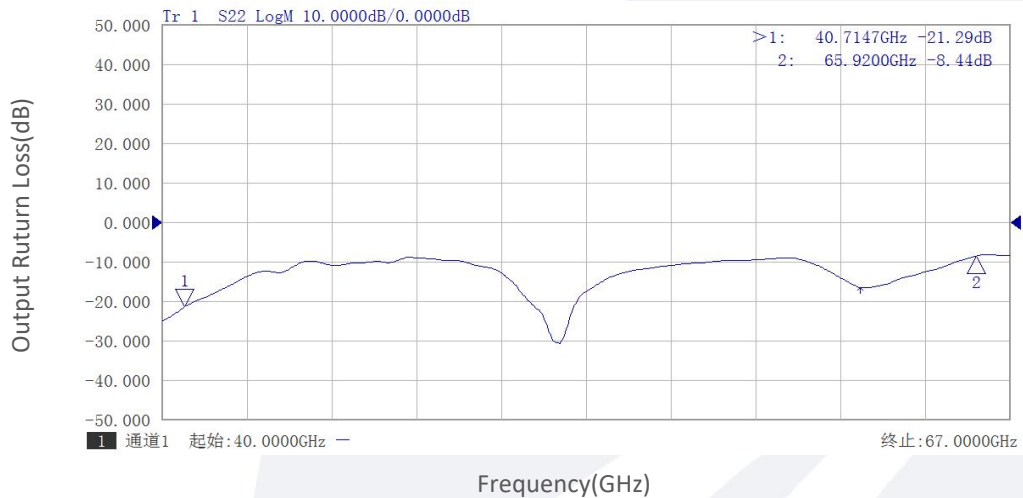
标准型号 Part Number	描述 Description	版本号Revision
TLPA40G67G-39-34	Power amplifier 40-67GHz,Gain:39dB,Psat:34dBm,+24V DC,Without Heatsink.	Rev.1.1
TLPA40G67G-39-34-HS	Power amplifier 40-67GHz,Gain:39dB,Psat:34dBm,+24V DC,With Heatsink.	Rev.1.1

典型曲线 Typical Performance Data:

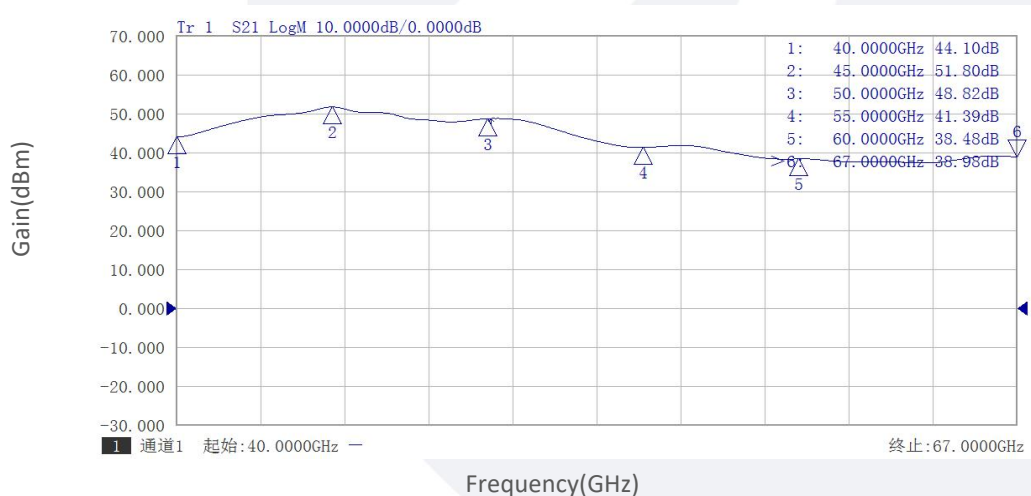
Input Return Loss vs Frequency



Output Return Loss vs Frequency

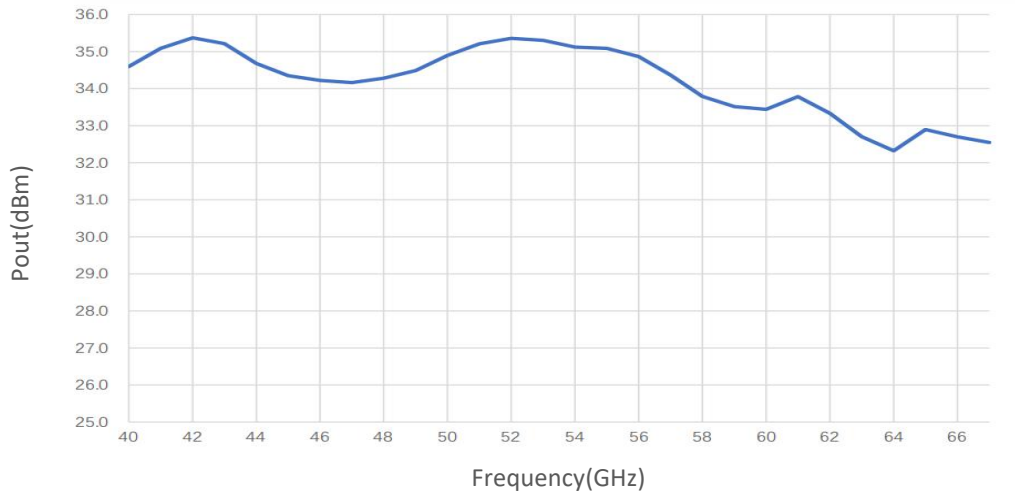


Gain vs Frequency



典型曲线 Typical Performance Data:

Pout vs Frequency



Psat vs Frequency

