

Model:TLPA26.5G40G-47-40
Power Amplifier
26.5-40GHz,Gain:47dB,Psat:40dBm
Feature:

- Ultra Wide Band:26.5-40GHz
- Gain:47dB Min
- Psat Output Power:40dBm Min
- 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	26.5-40			GHz
增益 Gain	47			dB
增益平坦度 Gain Flatness		±2		dB
线性输出功率 Output P1dB		37		dBm
饱和输出功率 Output Psat	40			dBm
输入驻波 Input VSWR		2		:1
直流电压 DC Voltage		+24		V DC
直流电流 DC Sopply Current		5		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	2.92 Female/2.92 Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	/	mm
重量 Weight	1	Kg

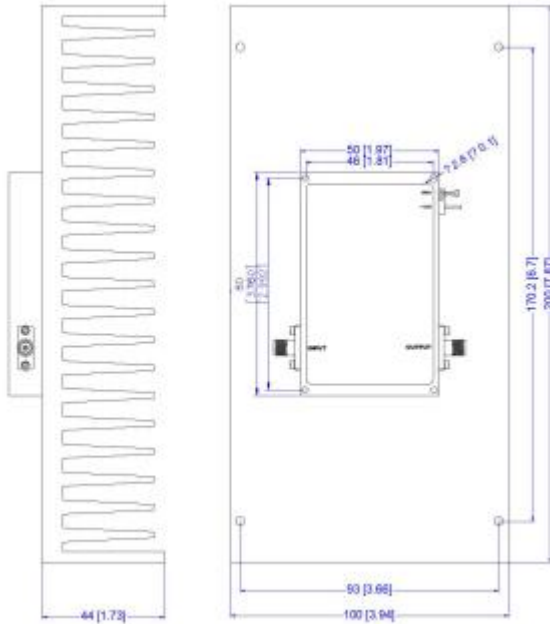
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+24V
输入功率 RF Input Power	5dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
 Benchtop Amplifier**

外形尺寸 Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

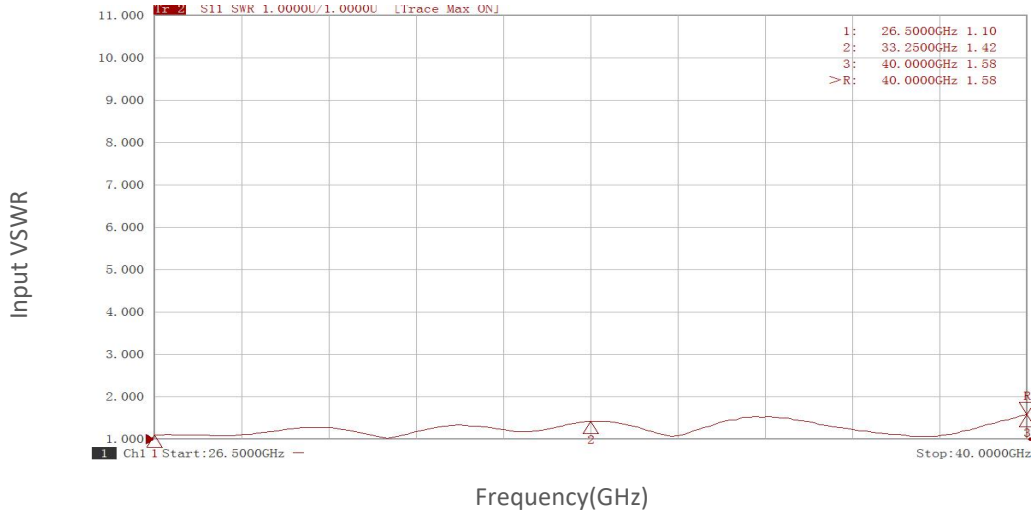
参数Parameter	Min	Typ	Max	单位Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	30000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

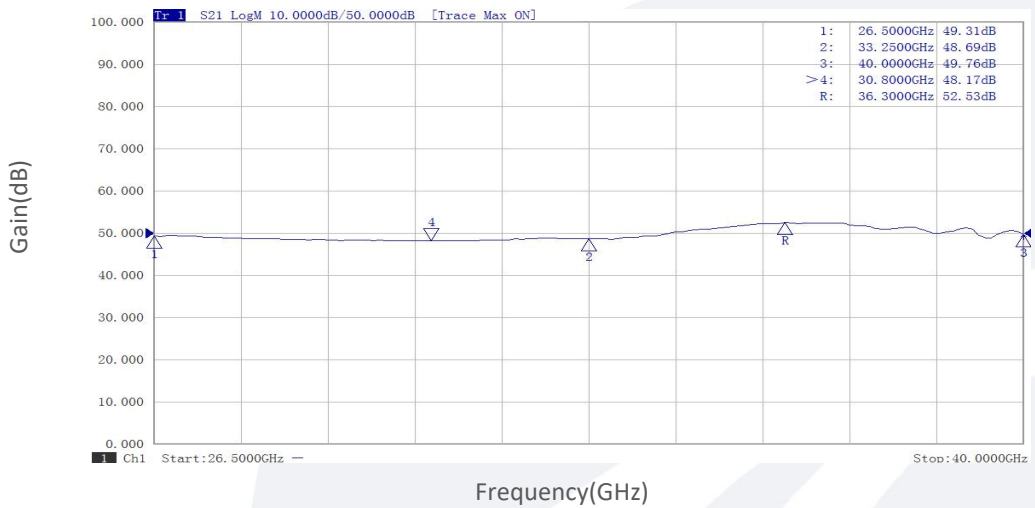
标准型号 Part Number	描述 Description	版本号Revision
TLPA26.5G40G-47-40	Power amplifier 26.5-40GHz, Gain 47dB, Psat:40dBm, +24V DC, Without Heatsink.	Rev.1.1
TLPA26.5G40G-47-40-HS	Power amplifier 26.5-40GHz, Gain 47dB, Psat:40dBm, +24V DC, With Heatsink.	Rev.1.1

典型曲线 Typical Performance Data:

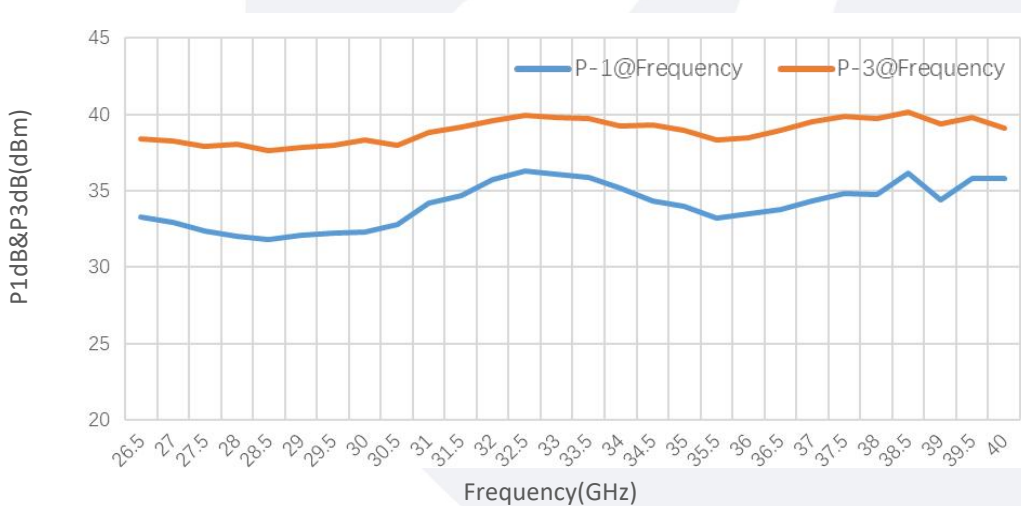
Input VSWR vs Frequency



Gain vs Frequency

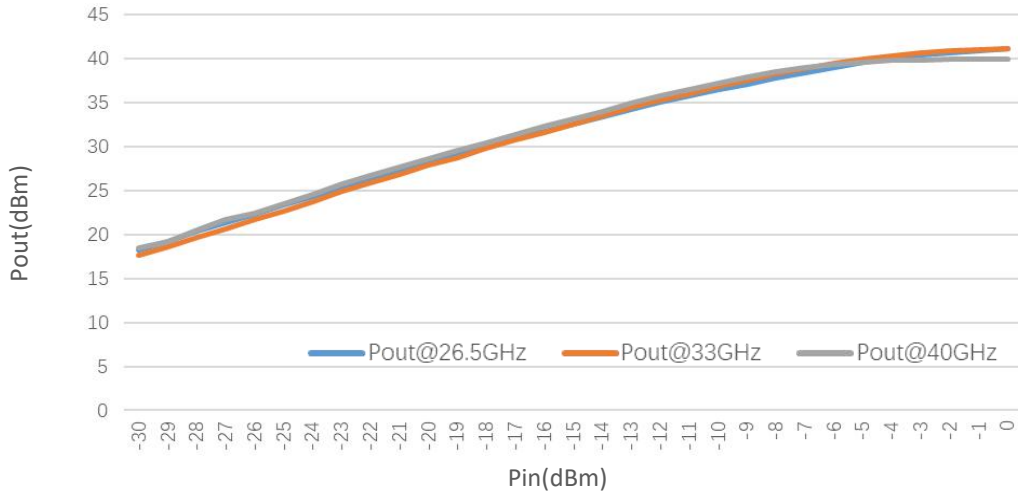


P1dB&P3dB vs Frequency

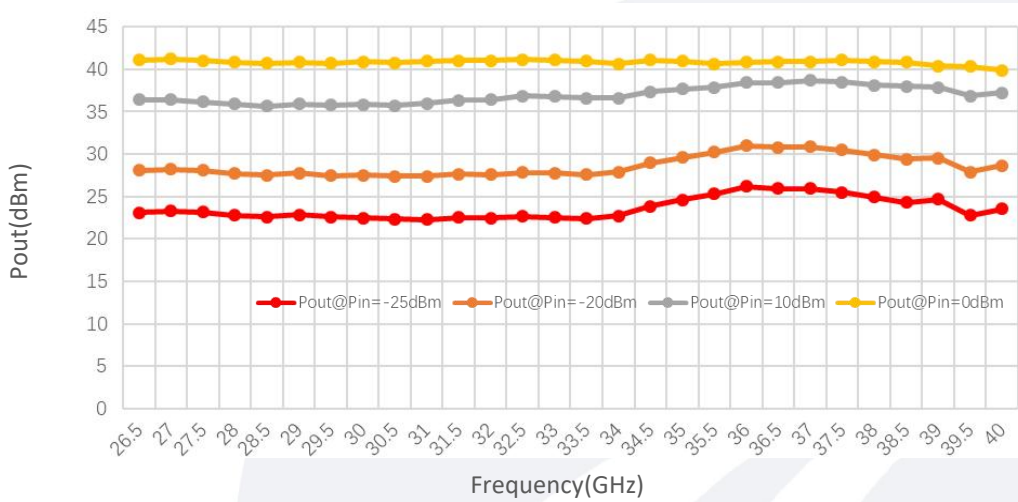


典型曲线 Typical Performance Data:

Pout@Pin



Pout@Equal_Pin



Spurious vs Frequency

