

Model:TLPA6G26.5G-36-36
Power Amplifier
6-26.5GHz,Gain:36dB,Psat:36dBm
Feature:

- Ultra Wide Band: 6-26.5GHz
- Gain:36dB Min
- Psat Output Power:36dBm 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	6-26.5			GHz
增益 Gain	36			dB
增益平坦度 Gain Flatness		±5.5		dB
线性输出功率 Output P1dB	27			dBm
饱和输出功率 Output Psat	36			dBm
杂散 Spurious@Pout=36dBm			-55	dBc
谐波 Harmonics@Pout=36dBm		-15	-10	dBc
输入驻波 Input VSWR			2	:1
直流电压 DC Voltage		+18		V DC
直流电流 DC Supply Current		8		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	J30J-21ZKP	
尺寸 Size	200*100*25.5	mm
重量 Weight	2	Kg

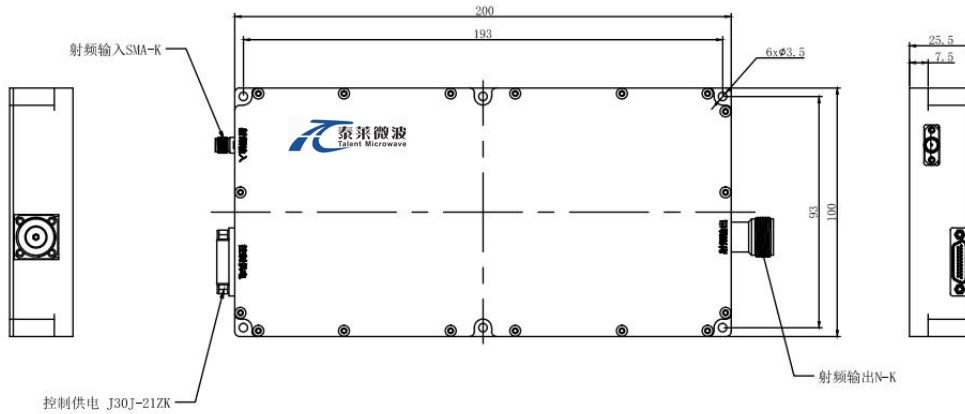
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+18V
输入功率 RF Input Power	10dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
Benchtop Amplifier**

外形尺寸 Outline Drawing:

Unit: mm



J30J-21ZKP引脚定义	
引脚 Pin	功能 Function
Pin1-11	+18V
Pin12-21	GND

*****Heat Sink Required During Operation**



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

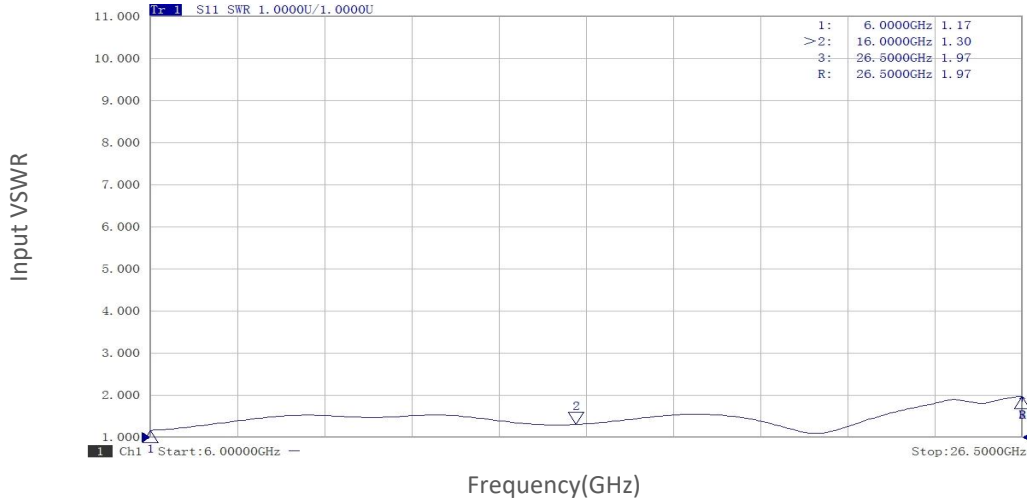
参数Parameter	Min	Typ	Max	单位Units
操作温度 Operating Temperature	-40		+60	°C
存储温度 Non-operating Temperature	-45		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

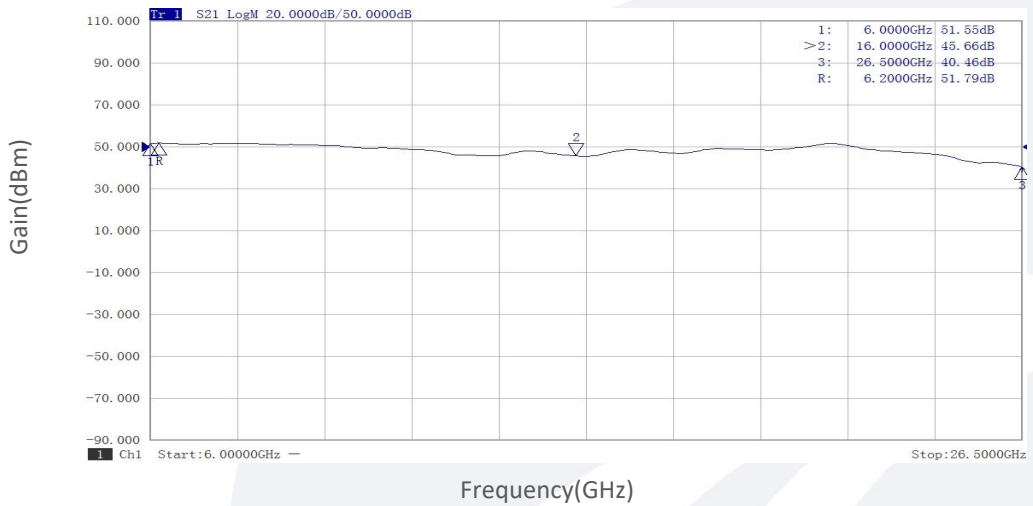
标准型号 Part Number	描述 Description	版本号Revision
TLPA6G26.5G-36-36	Power amplifier 6-26.5GHz,Gain:36dB,Psat:36dBm,+18V DC,Without Heatsink.	Rev.1.1
TLPA6G26.5G-36-36-HS	Power amplifier 6-26.5GHz,Gain:36dB,Psat:36dBm,+18V DC,With Heatsink.	Rev.1.1

典型曲线 Typical Performance Data:

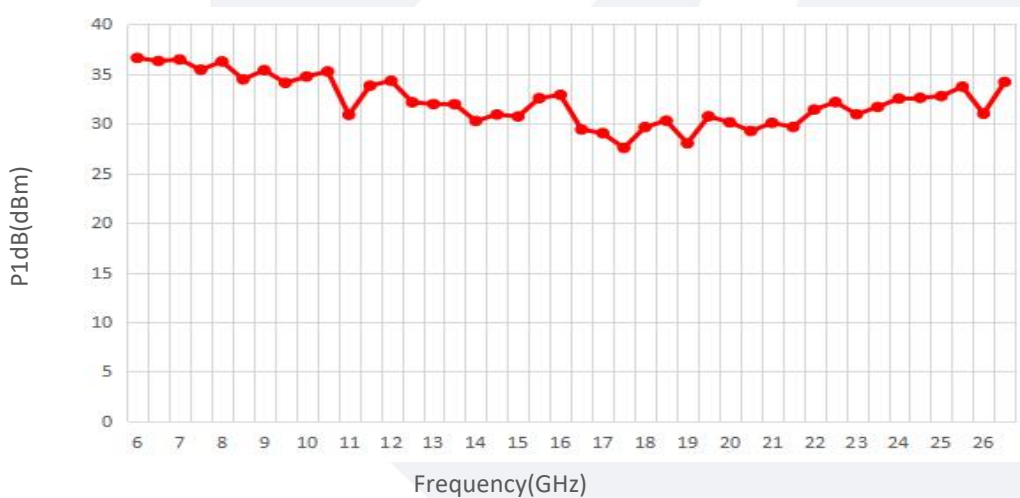
Input VSWR vs Frequency



Gain vs Frequency

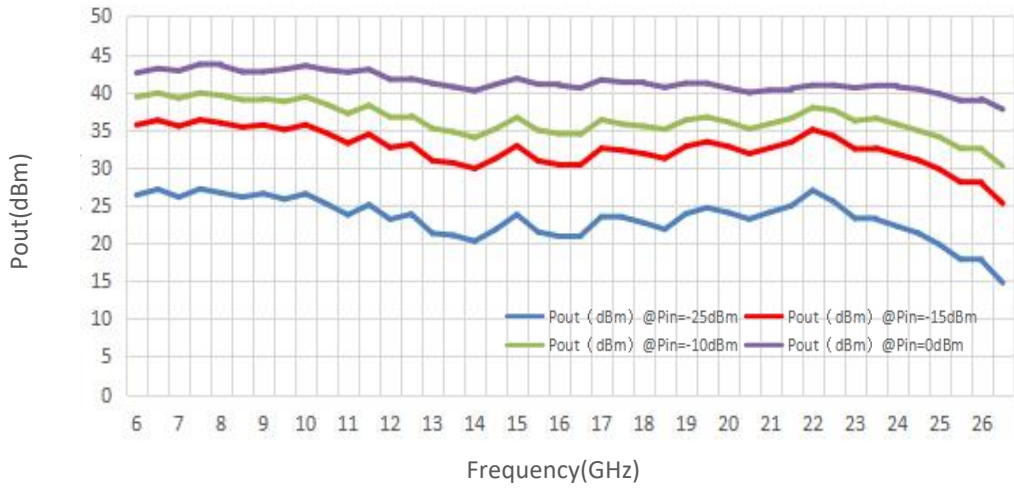


P1dB vs Frequency

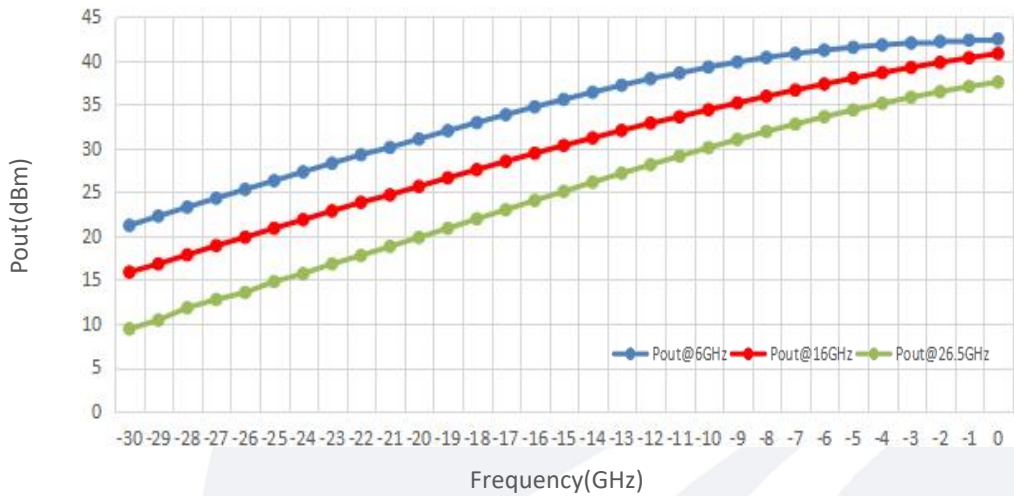


典型曲线 Typical Performance Data:

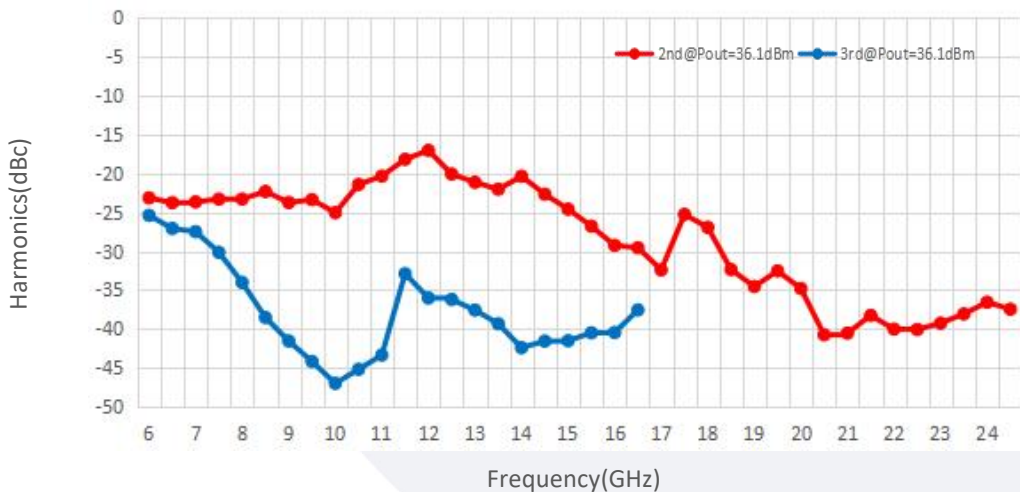
Pout@Equal_Pin



Pout@Pin



Harmonics@Pout=36dBm



典型曲线 Typical Performance Data:

Spurious@Pout=36dBm

