泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
+86-0512-62657975
sales@talentmw.com
www.talentmw.com

Model:TLPA6G18G-35-36-W

Power Amplifier 6-18GHz,Gain:33dB,Psat:36dBm

Feature:

- Ultra Wide Band:6-18GHz
- Gain:33dB Min
- Psat Output Power:34dBm 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		6-18		GHz
增益 Gain	33			dB
饱和输出功率 Output Psat	36			dBm
杂散 Spurious			-50	dBc
谐波 Harmonics			-10	dBc
直流电压 DC Voltage		+28		V DC
直流电流 DC Sopply Current		1.1		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	SMA Female/SMA Female	
直流偏置 DC Bias	J30J-9ZKP	1-4:+28V 5-9:GND
尺寸 Size	59.1*35.4*7.9	mm
重量 Weight	500	g

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+13V
输入功率 RF Input Power	10dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

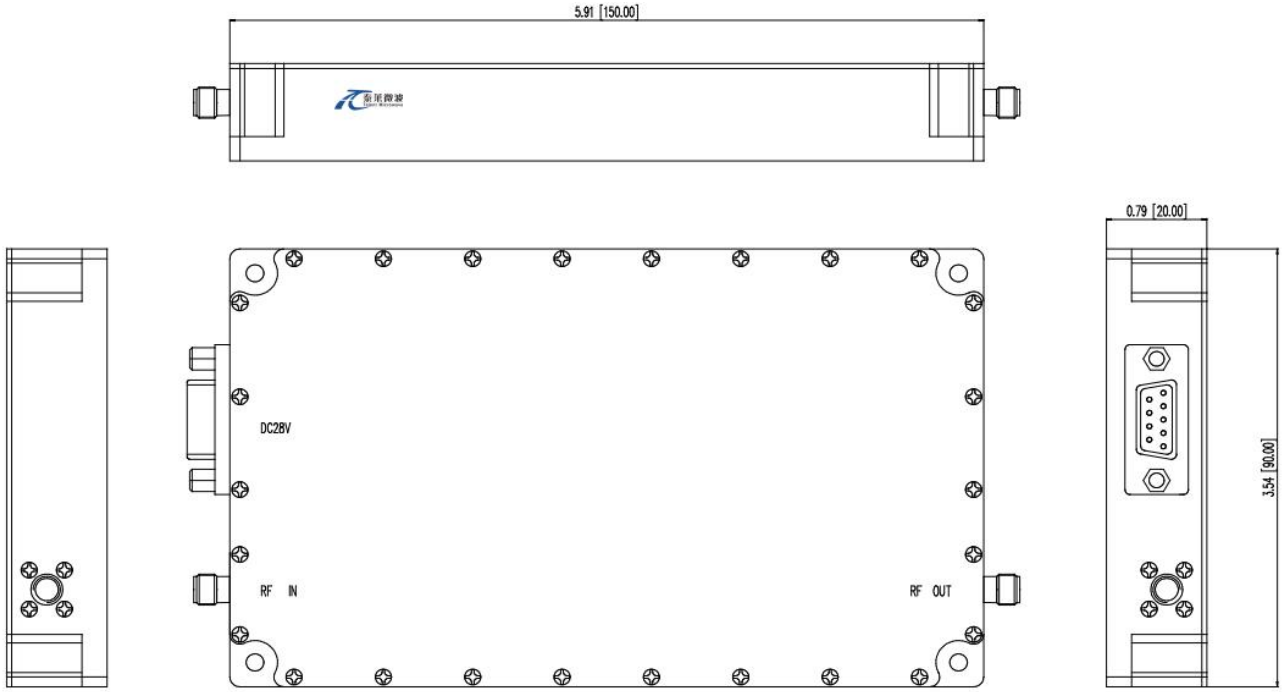
Available 220V System Benchtop Amplifier

泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
+86-0512-62657975
sales@talentmw.com
www.talentmw.com

外形尺寸Outline Drawing:

Unit: mm



***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	-45		+85	℃
存储温度 Non-operating Temperature	-55		+125	℃
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			

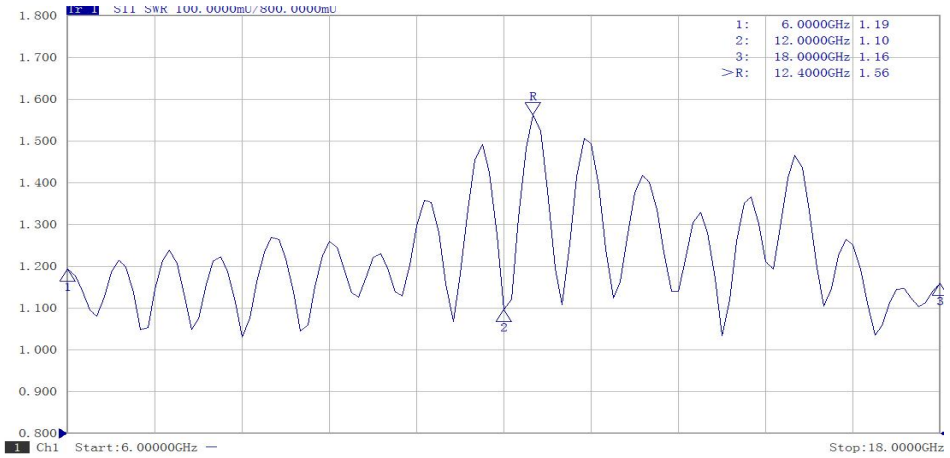
订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLPA6G18G-35-36-W	Power amplifier 6-18GHz,Gain33dB,Psat:36dBm,+28V DC,Without Heatsink.	Rev.1.1
TLPA6G18G-35-36-W-HS	Power amplifier 6-18GHz,Gain33dB,Psat:36dBm,+28V DC,With Heatsink.	Rev.1.1

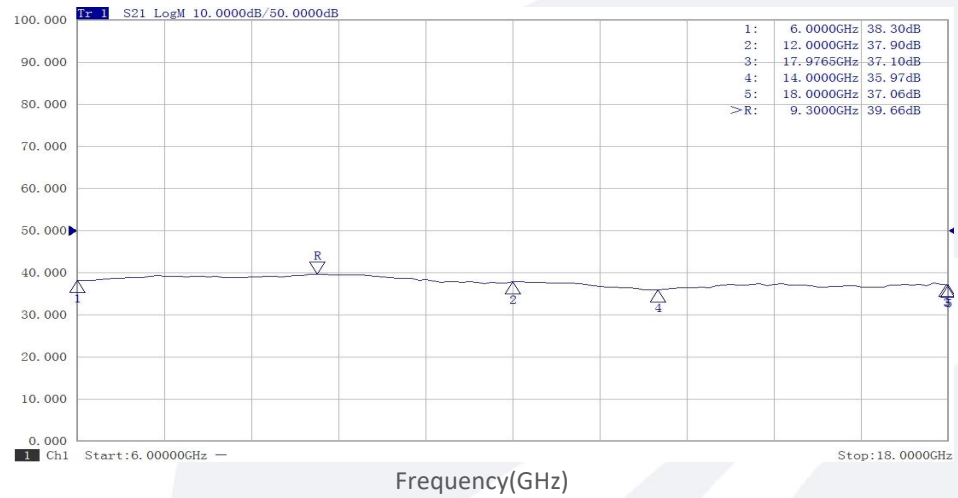
Suzhou Talent Microwave,Inc
+86-0512-62657975
sales@talentmw.com
www.talentmw.com

典型曲线 Typical Performance Data:

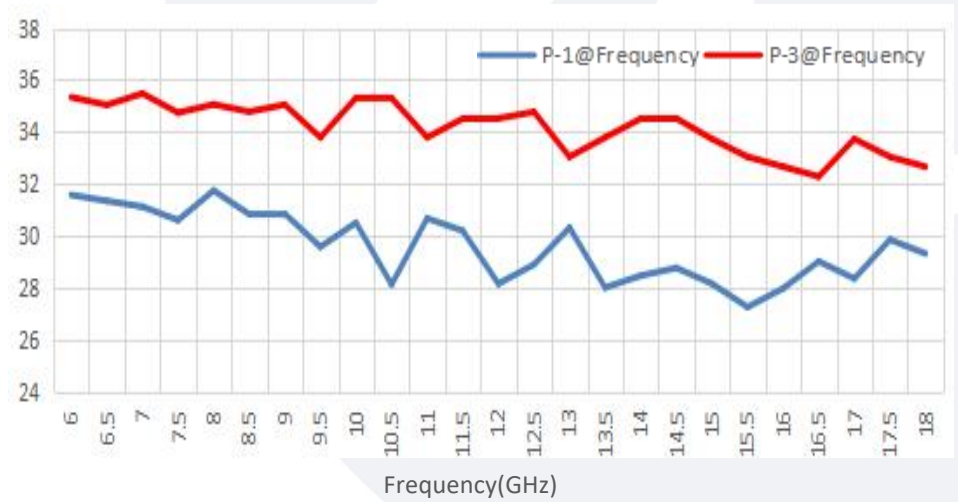
Input VSWR vs Frequency



Gain vs Frequency



P1dB&P3dB vs Frequency

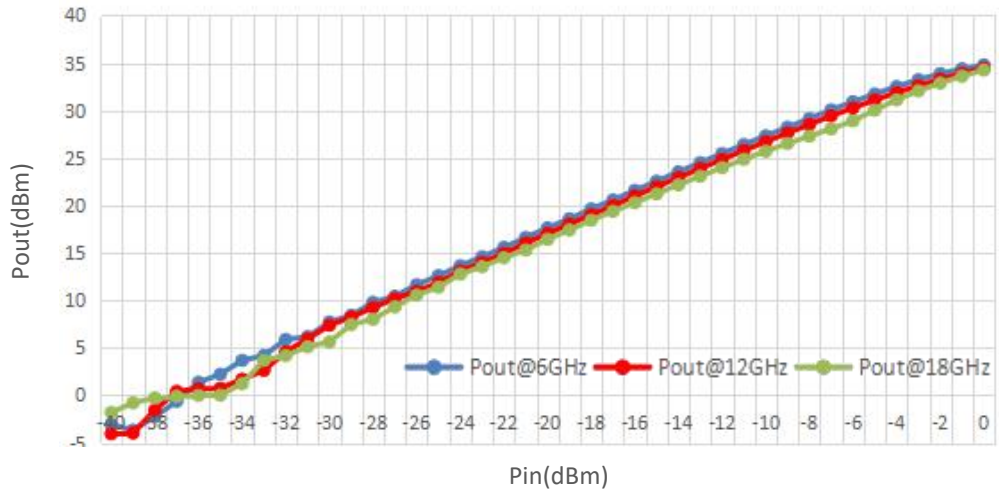


泰莱微波
Talent Microwave

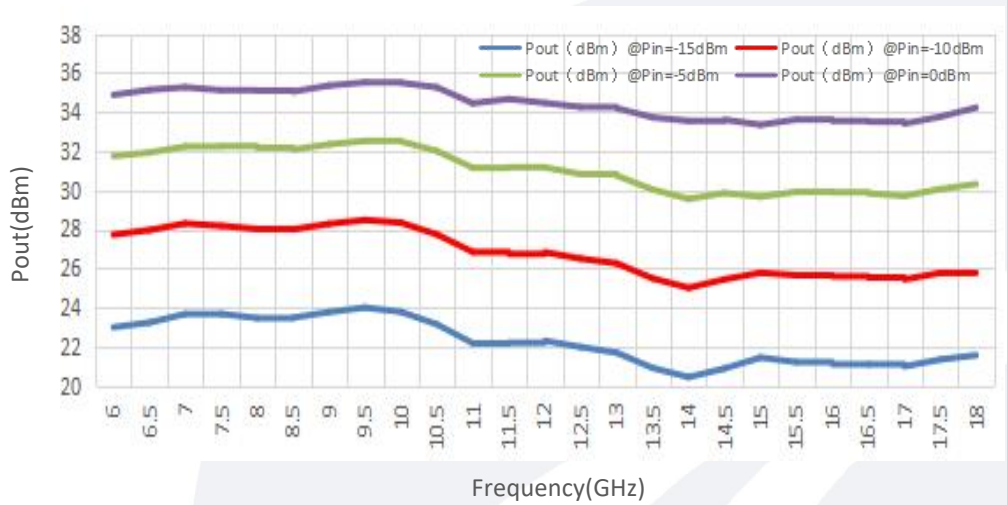
Suzhou Talent Microwave,Inc
+86-0512-62657975
sales@talentmw.com
www.talentmw.com

典型曲线 Typical Performance Data:

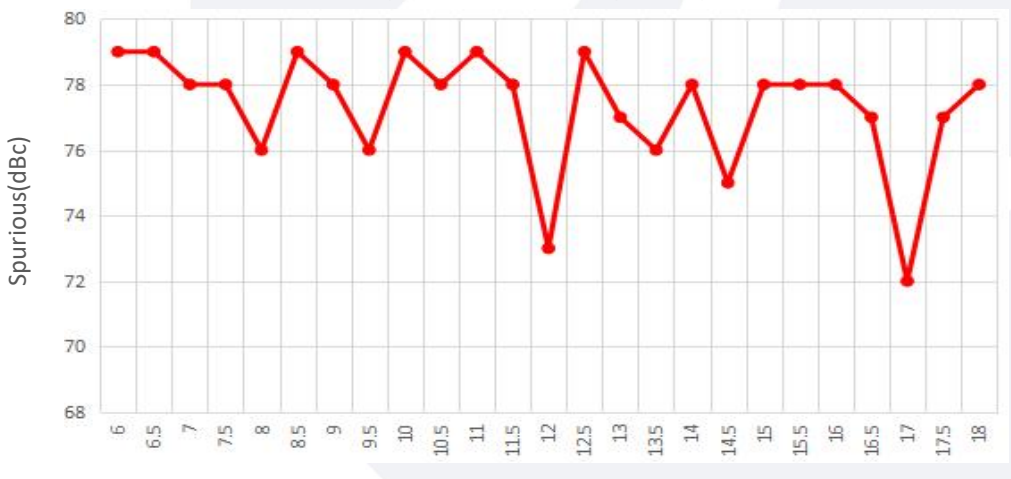
Pout@Pin



Pout@Equal_Pin



Spurious vs Frequency



Suzhou Talent Microwave,Inc
+86-0512-62657975
sales@talentmw.com
www.talentmw.com

典型曲线 Typical Performance Data: