泰莱微波
Talent Microwave

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

Model:TLPA6G18G-40-30

Power Amplifier 6-18GHz,Gain:40dB,Psat:30dBm

Feature:

- Ultra Wide Band: 6-18GHz
- Gain: 40 dB Typ
- Psat Output Power: 30 dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range		6-18		GHz
Gain		40		dB
Gain Flatness		±2.5		dB
Output Psat	30	33		dBm
Input VSWR		1.8	2.2	:1
Output VSWR		1.8	2.2	:1
DC Voltage		+8		V DC
DC Supply Current		1.4		A
Impedance		50		Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	52*44*13	mm
Weight	/	g

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	TBD
ESD sensitivity (HBm)	Class 0, passed 150V

Available 220V System Benchtop Amplifier

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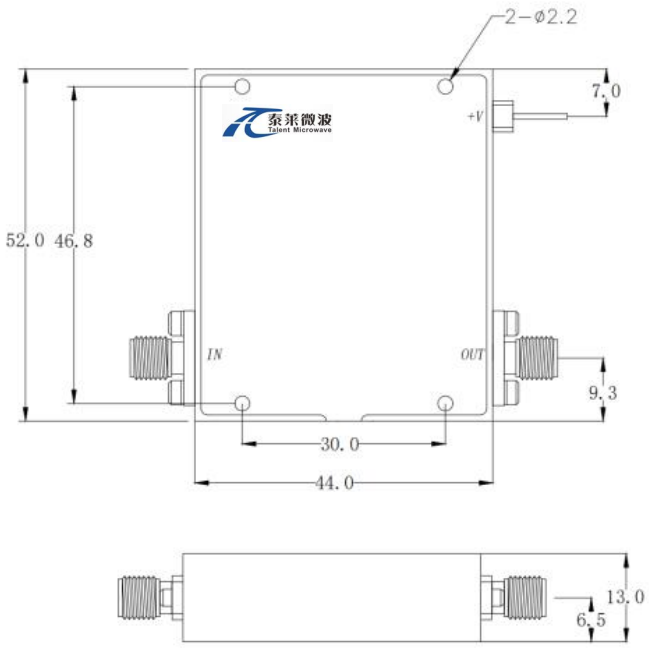
Outline Drawing:

Unit: mm



***Heat Sink Required During Operation

OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	℃
Non-operating Temperature	-55		+125	℃
Relative humidity		95		%
Altitude	30,000			feet
Shock / Vibration(MIL-STD-810F)	20g,11ms,saw-tooth			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA6G18G-40-30	Power amplifier 6-18GHz,Gain:40dB,Psat:30dBm, +8V DC,Without Heatsink	Rev.1.1
TLPA6G18G-40-30-HS	Power amplifier 6-18GHz,Gain:40dB,Psat:30dBm, +8V DC,With Heatsink	Rev.1.1

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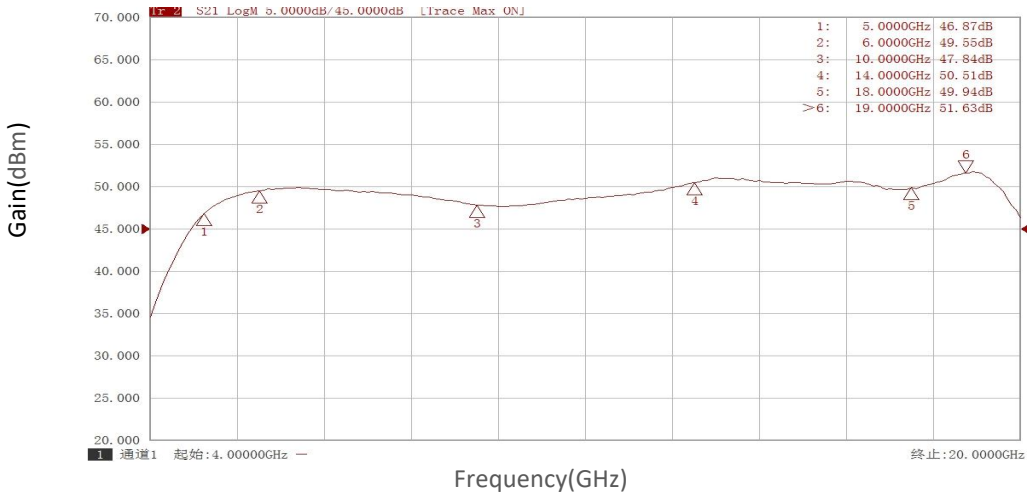
Typical Performance Data:

Gain vs Frequency



Gain(dBm)

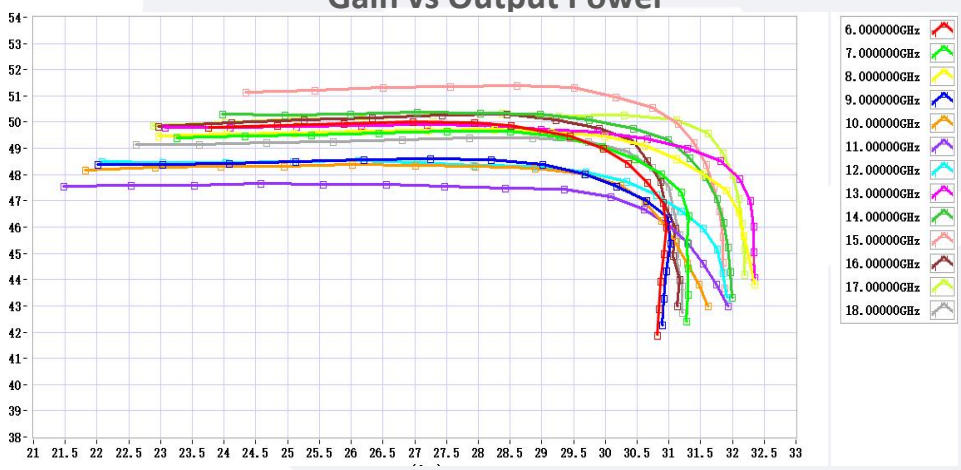
Frequency(GHz)

Input VSWR vs Frequency

Input VSWR

Frequency(GHz)

Gain vs Output Power



Gain(dB)

Pout(dBm)

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Typical Performance Data: