

Model:TLPA18G26.5G-40-40

Power Amplifier

18-26.5GHz,Gain:40dB,Psat:40dBm

Feature:

- Ultra Wide Band: 18-26.5GHz
- Gain:40dB Min
- Psat Output Power:40dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	18-26.5			GHz
Gain	40			dB
Output Psat	40			dBm
Spurious@Pout=40dBm			-50	dBc
Harmonics@Pout=40dBm			-15	dBc
Input VSWR			2	:1
DC Voltage		20		V DC
Power Consumption			70	W
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	2.92 Female/2.92 Female	
DC Power Interface	TBD	
Communication Interface	J30J-9ZKP	
Size	150*90*20	mm
Weight	0.5	Kg

Absolute Maximum Ratings:

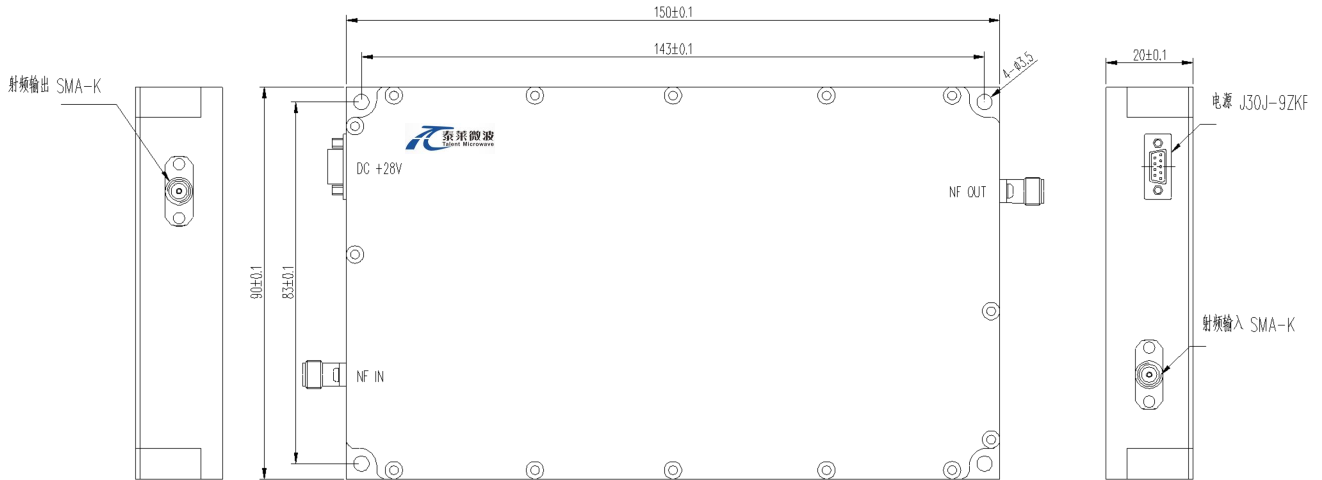
Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



***Heat Sink Required During Operation



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

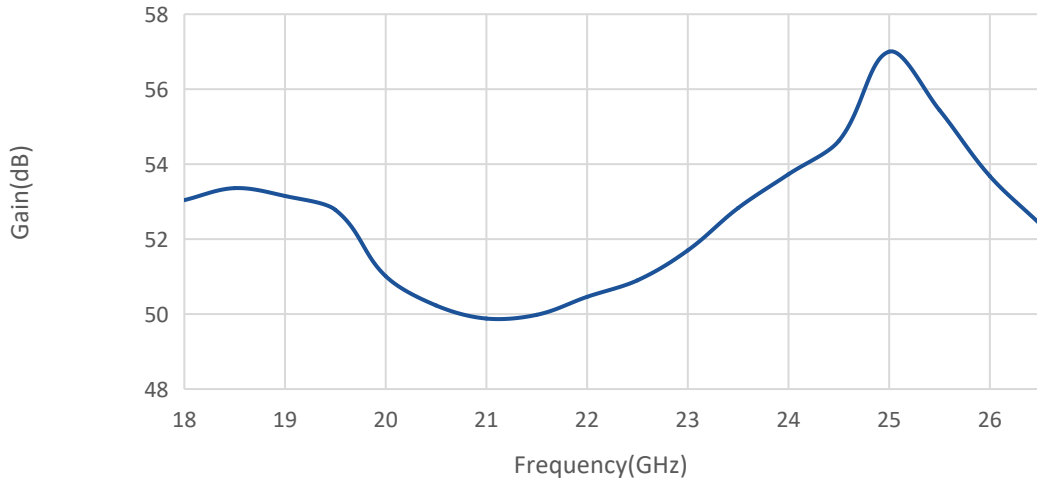
Parameter	Min	Typ	Max	Units
Operating Temperature	0		+40	°C
Non-operating Temperature	-45		+65	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

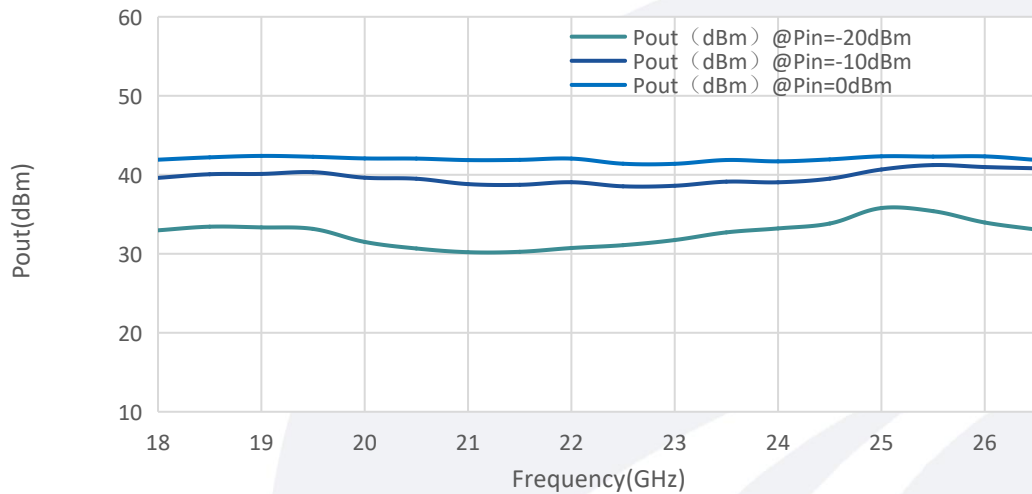
Part Number	Description	Revision
TLPA18G26.5G-40-40	Power amplifier 18-26.5GHz,Gain:40dB,Psat:40dBm,+20V DC,Without Heatsink.	Rev.1.1
TLPA18G26.5G-40-40-HS	Power amplifier 18-26.5GHz,Gain:40dB,Psat:40dBm,+20V DC,With Heatsink.	

Typical Performance Data:

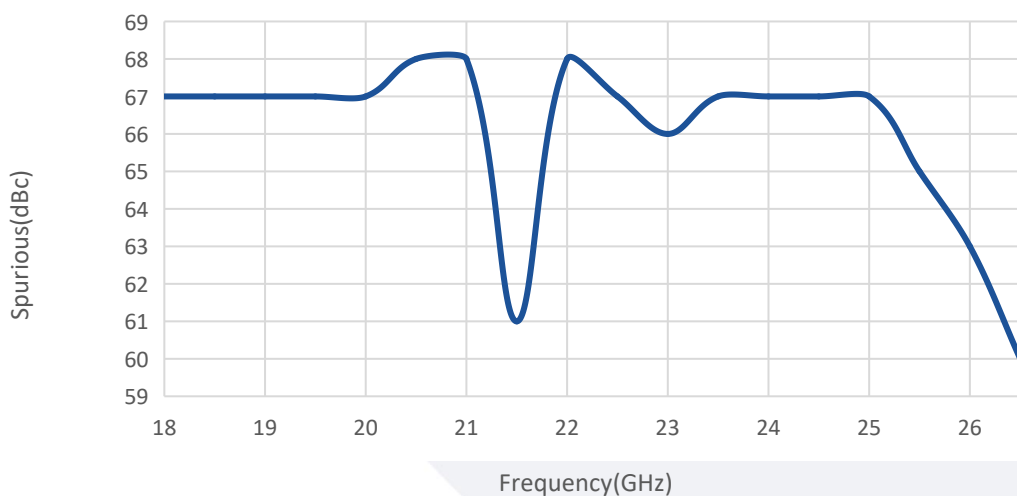
Gain vs Frequency



Pout vs Frequency



Spurious vs Frequency



Typical Performance Data:

Pin vs Frequency

