

Model:TLPA26.5G40G-37-37

Power Amplifier 26.5-40GHz,Gain:40dB,Psat:40dBm

Feature:

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

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	26.5-40			GHz
Gain	40			dB
Output P1dB		37		dBm
Output Psat		40		dBm
ALC accuracy		±0.5		dB
Supurious			-50	dBc
Harmonic			-25	dBc
Input VSWR			2.0	:1
AC Voltage	220			V AC
Power Consumption	150@Max			W
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	2.92mm Female/2.92mm Female	
DC Bias	Solder Pin	
Size	200*200*85	mm
Weight	≤5	Kg

Absolute Maximum Ratings:

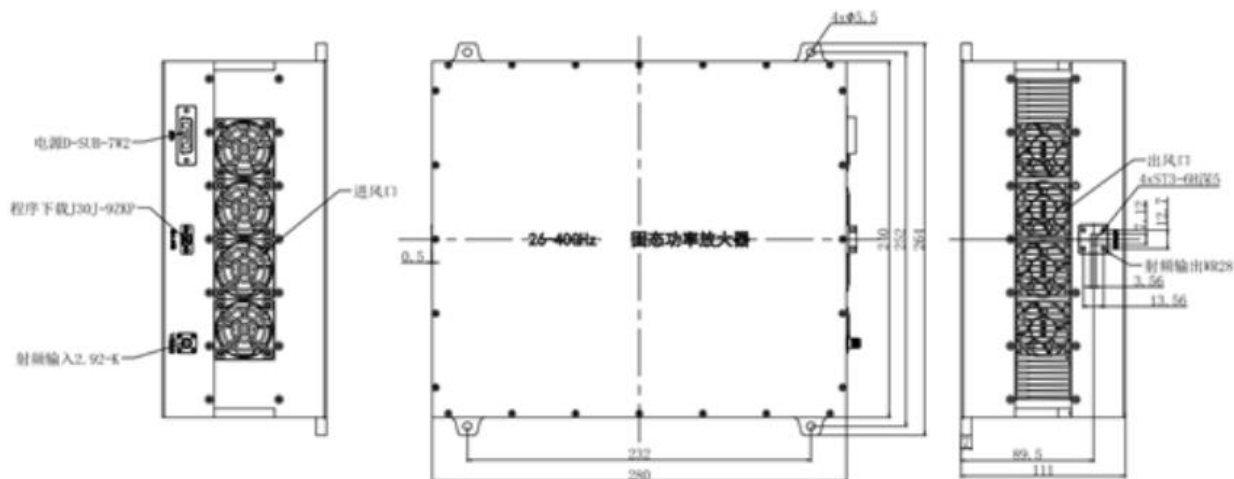
Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	+10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

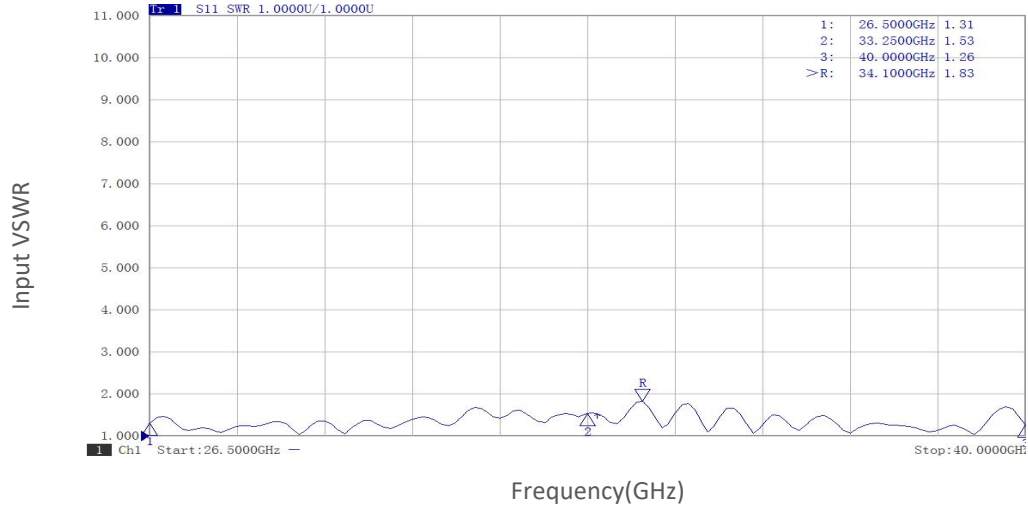
Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	°C
Non-operating Temperature	-55		+85	°C
Relative humidity		95		%
Altitude	30,000			feet
Shock / Vibration(MIL-STD-810F)	20g,11ms,saw-tooth			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

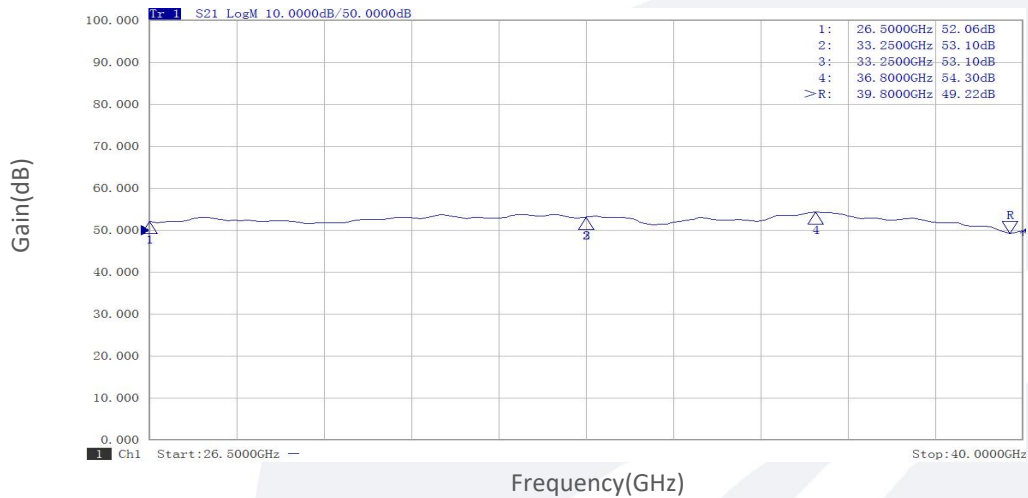
Part Number	Description	Revision
TLPA26.5G40G-37-37	Power amplifier 26.5-40GHz, Gain:40dB, Psat:40dBm, 220V AC	Rev.1.1

Typical Performance Data:

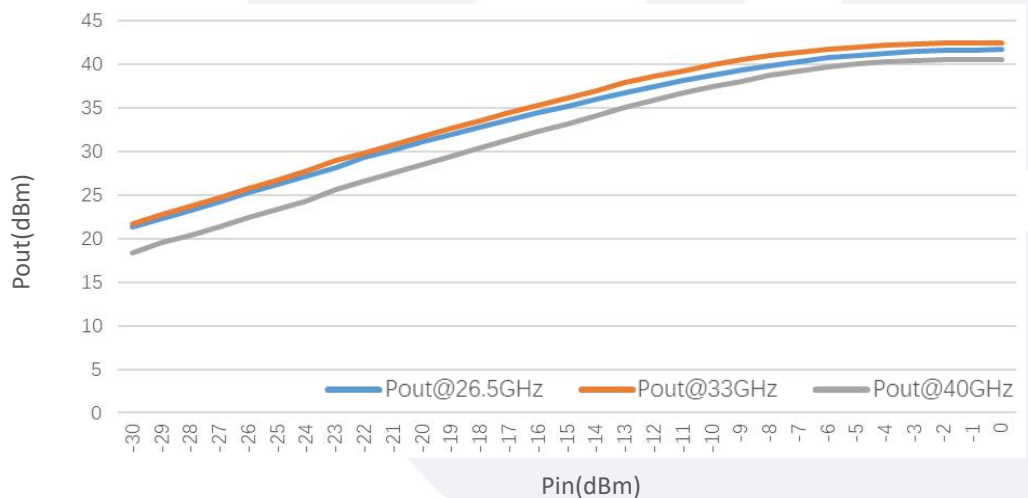
Input VSWR vs Frequency



Gain vs Frequency

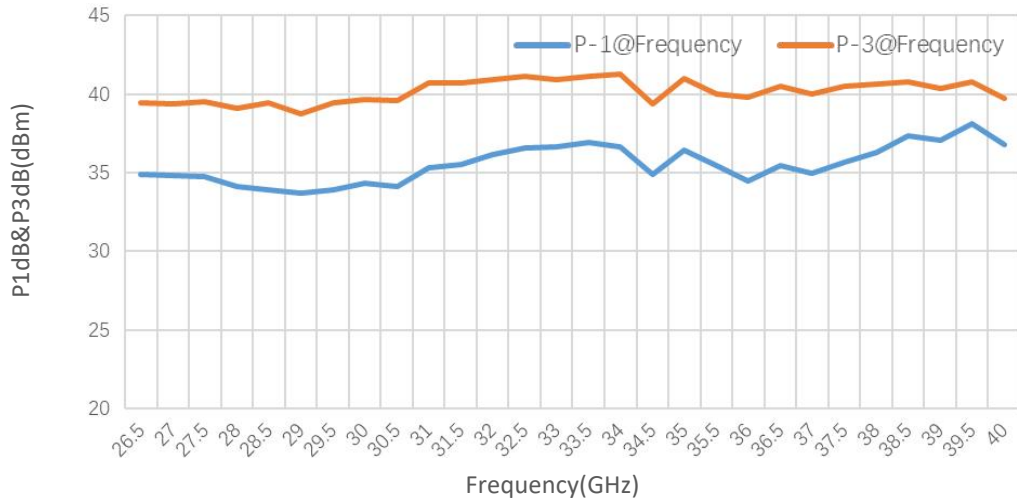


Pout@Pin

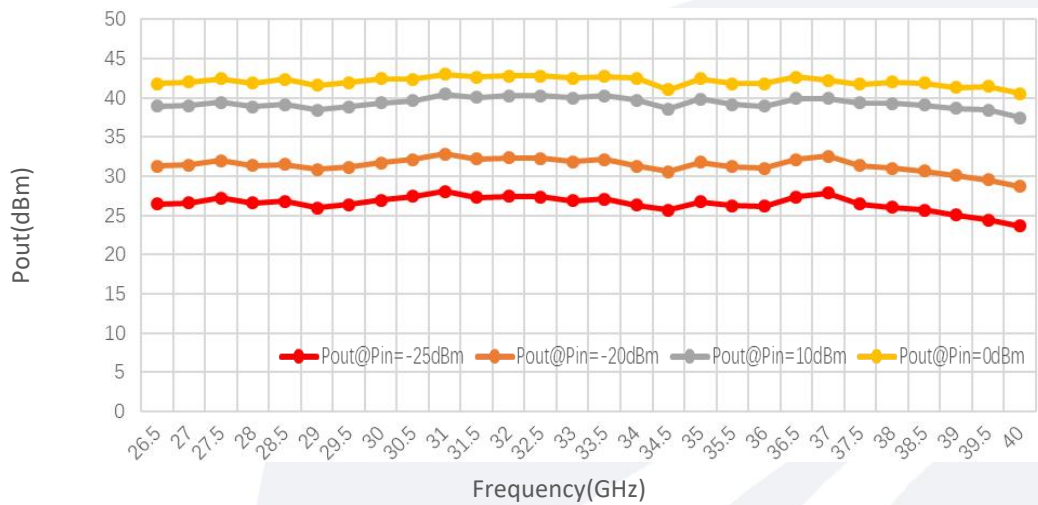


Typical Performance Data:

P1dB&P3dB vs Frequency



Pout@Equal_Pin



Spurious vs Frequency

