

Model:TLPA2G6G-50-50

Power Amplifier 2-6GHz,Gain:50dB,Psat:50dBm

Feature:

- Ultra Wide Band: 2-6GHz
- Gain:50dB Min
- Psat Output Power:50dBm Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	2-6			GHz
Gain	50			dB
Gain Flatness		±3		dB
Output Psat	50			dBm
Harmonics@Pout=50dBm			-60	dBc
Harmonics@Pout=50dBm		-10		dBc
Input VSWR			2	:1
DC Voltage		+38		V DC
Power Consumption			800	W
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/N Female	
DC Power Interface	Y50DX-1404	
Communication Interface	J30J-0ZKP	
Size	300*264*120	mm
Weight	4	Kg

Absolute Maximum Ratings:

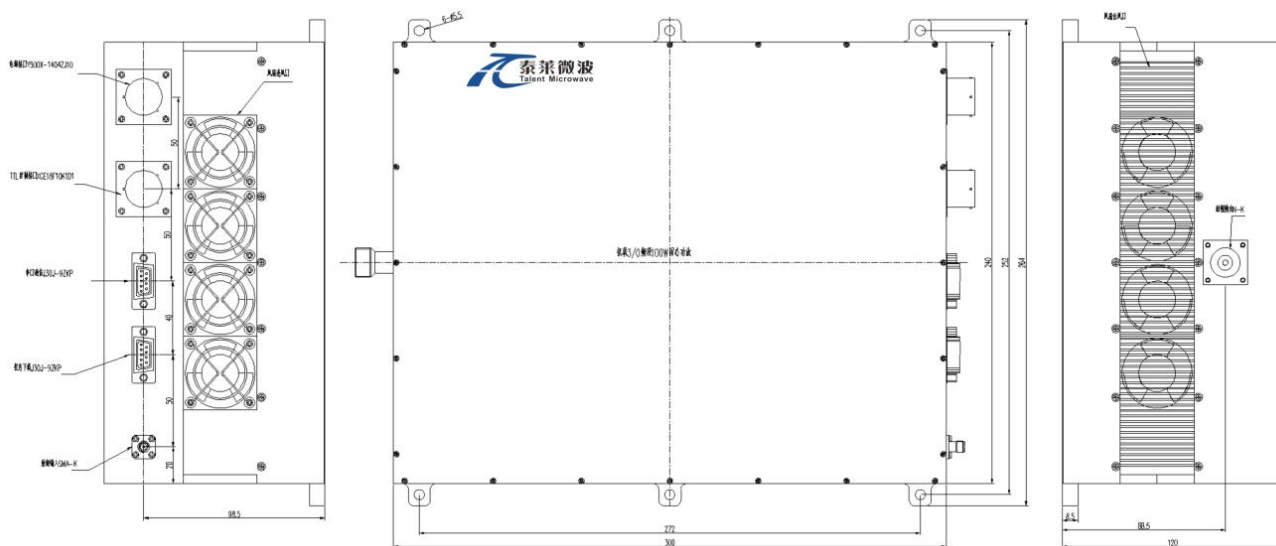
Parameter	Value
Supply Bias Voltage	+28V
RF Input Power	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

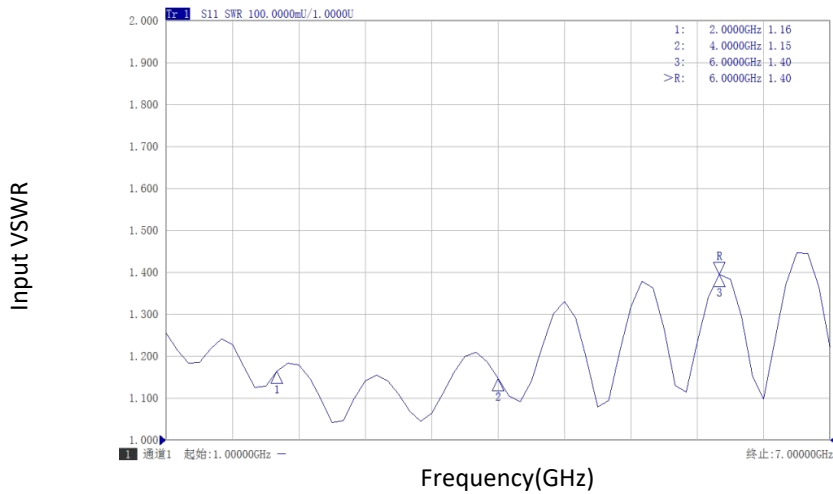
Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+60	°C
Non-operating Temperature	-45		+65	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

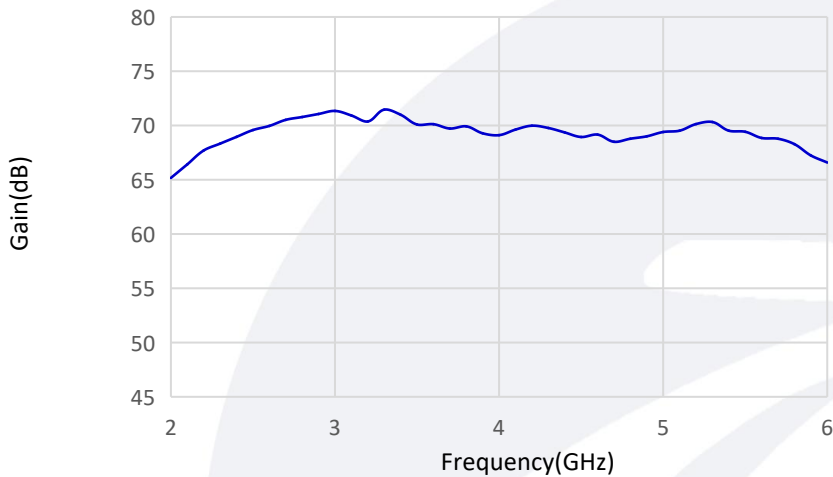
Part Number	Description	Revision
TLPA2G6G-50-50	Power amplifier 2-6GHz,Gain:50dB,Psat:50dBm,+28V DC,Built in Fan Cooling .	Rev.1.1

Typical Performance Data:

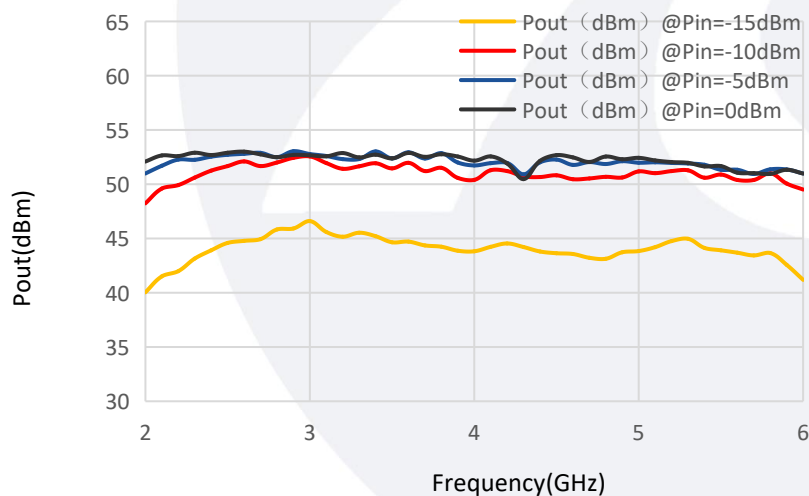
Input VSWR vs Frequency



Gain vs Frequency

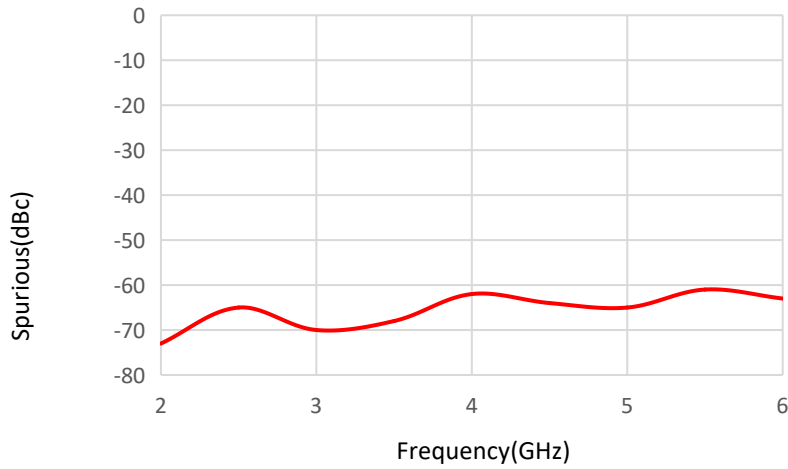


Pout vs Frequency



Typical Performance Data:

Spurious vs Frequency



Harmonic vs Frequency

