

Model:TLPA2G6G-52-50

Power Amplifier 2-6GHz,Gain:52dB,Psat:50dBm

Feature:

- Ultra Wide Band: 2-6GHz
- Gain:52dB Typ
- Psat Output Power:50dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	2-6			GHz
Gain	50	52		dB
Gain Flatness		±3	±5	dB
Output Psat	50			dBm
Harmonics		-12		dBc
Input VSWR		1.5	2	:1
DC Voltage		+36		V DC
DC Supply Current		3	22	A
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	220*140*25	mm
Weight	250	g

Absolute Maximum Ratings:

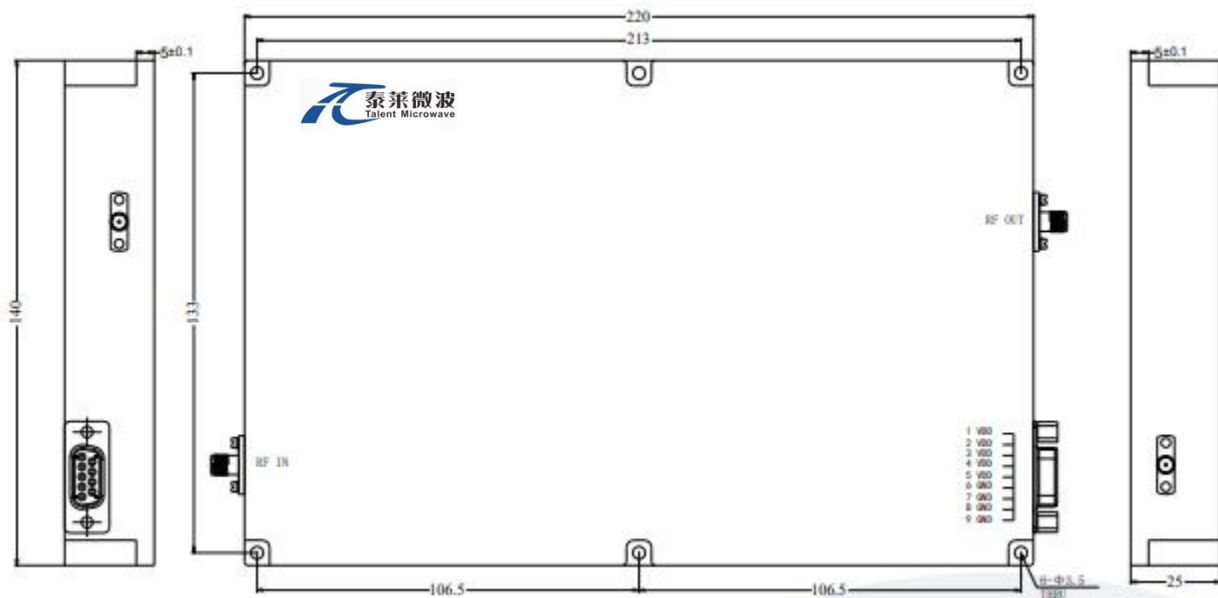
Parameter	Value
Supply Bias Voltage	+38V
RF Input Power	5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



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	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	30,000			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-52-50	Power amplifier 2-6GHz,Gain:52dB,Psat:50dBm,+36V DC,Without Heatsink.	Rev.1.1
TLPA2G6G-52-50-HS	Power amplifier 2-6GHz,Gain:52dB,Psat:50dBm,+36V DC,With Heatsink.	Rev.1.1