

Model:TLPA2G6G-56-56-BC
**Solid State High Power Amplifier Systems
 2-6GHz,Gain:56dB,Psat:56dBm,+36V DC**
Feature:

- Wide Band: 2-6GHz
- Gain: 54dB Min
- Psat Output Power:56dBm Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output


Electrical Specifications:

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	2-6			GHz
Gain	GP	54			dB
Gain flatness	Δ GL		± 2	± 3	dB
Output Psat	Psat	56			dBm
Output P1dB	P1dB		53		dBm
Gain adjust range	Δ GR	30			dB
Spurious	Spur			-60	dBc
Harmonics	HAM		-15		dBc
Input VSWR	VSWRin		1.5	2.0	:1
DC Voltage	Vdc	+36			V DC
DC Supply Current	Idc	140			mA
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

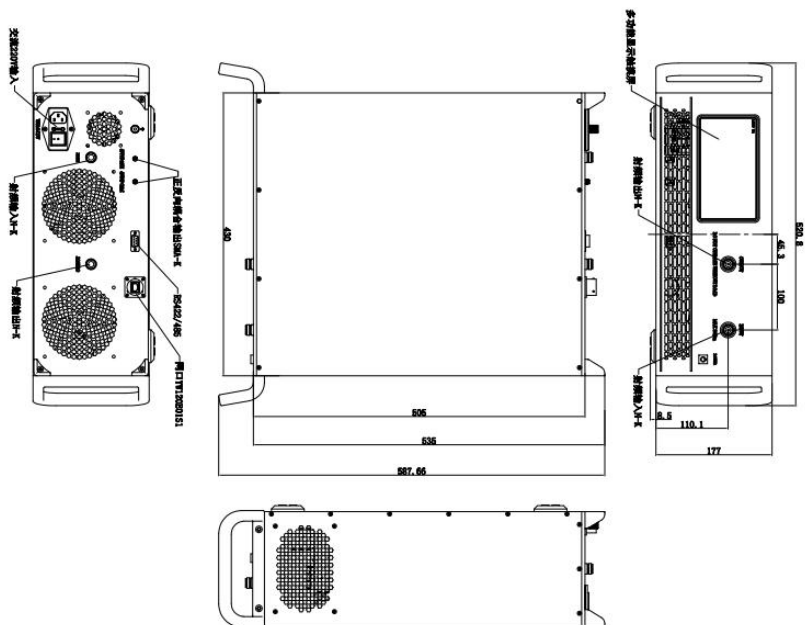
Parameter	Value	Units
Input/Output Connector	N Female/N Female	
Monitor and control interface	RS485 or Ethernet	
Size	482.6*177.7*651	mm
Weight	25	Kg

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	5 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Key Features:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Parameter	Advantages
Control	RS422/Ethernet
Protection functions	1,Over TEM 2,Over voltage 3,Over current protection 4,Over VSWR
Control functions	1,Power setting On/Off 2,ALC
Cooling system	Built in Cooling system,forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-30		+60	°C
Non-operating Temperature	-45		+85	°C
Relative humidity		95		%
Altitude	15000			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-56-56-BC	Solid State High Power Amplifier Systems 2-6GHz,Gain:56dB,Psat:56dBm,36V DC,Built in Fan Cooling	Rev.1.0