

Model:TLPA0.5G6G-50-49-BC

Solid State High Power Amplifier Systems 0.5-6GHz,Gain:50dB,Psat:49 dBm,220V AC

Feature:

- Wide Band: 0.5-6GHz
- Gain: 50dB Min
- Psat Output Power:49dBm 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	0.5-6			GHz
Gain	GP	50			dB
Gain flatness	Δ GL		\pm 3.5		dB
Output Psat	Psat	49			dBm
Gain adjust range	Δ GR	20			dB
Gain adjust step	Δ GS		0.5		dB
Spurious	Spur			-60	dBc
Harmonics	HAM		-10		dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	220			V AC
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

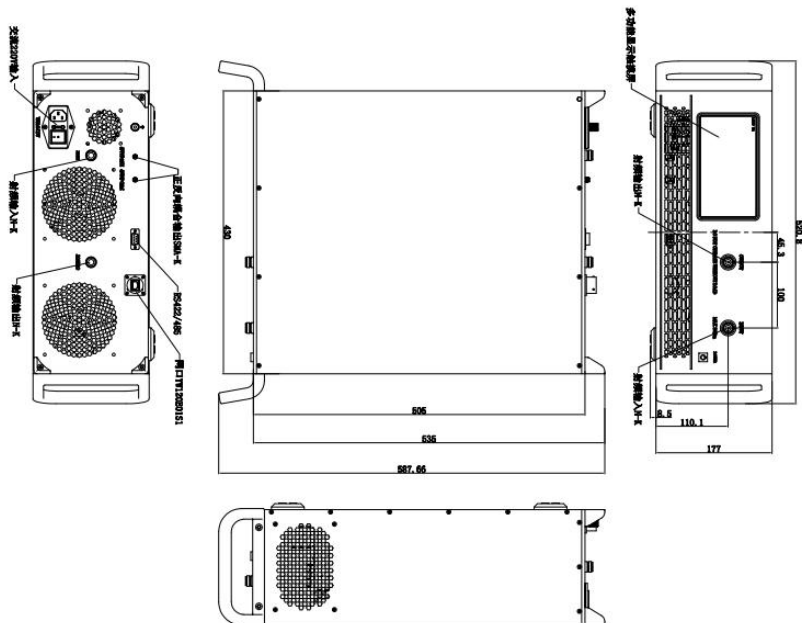
Parameter	Value	Units
Input /Output Connector	N Female	
AC Power Interface	Air switch	
Size	19 Inch 4U	
Weight	30	Kg

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	260V AC
RF Input Power	10 dBm
ESD sensitivity (Hbm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Key Features:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Parameter	Advantages
Remote Control	Ethernet RJ-45 TCP/IP
Monitoring functions	1,Forward Power 2,Temp Fault
Protection functions	1,Over TEM 2,Over voltage 3,Over current protection 4,Over VSWR
Control functions	1,Gain/power setting with 31.5dB range 2,ALC On/Off
Cooling system	Built in Cooling system,forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	°C
Non-operating Temperature	-45		+65	°C
Relative humidity		95		%
Altitude	50000			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
TLPA0.5G6G-50-49-BC	Solid State High Power Amplifier Systems 0.5-6GHz, Gain:50dB, Psat:49 dBm, 220V AC, Built in Fan Cooling	Rev.1.0