

Model:TLPA6G8G-50-48-BC

Solid State High Power Amplifier Systems 6-8GHz,Gain:50dB,Psat:48dBm,220V AC

Feature:

- Wide Band: 6-8GHz
- Gain: 50dB Min
- Psat Output Power:48dBm 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	6-8			GHz
Gain	GP	50			dB
Gain flatness	Δ GL			± 3	dB
Output Psat	Psat	48			dBm
Spurious	Spur			-60	dBc
Harmonics	HAM		-20		dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	220			V AC
Power Consumption	Pdiss	500@Max			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

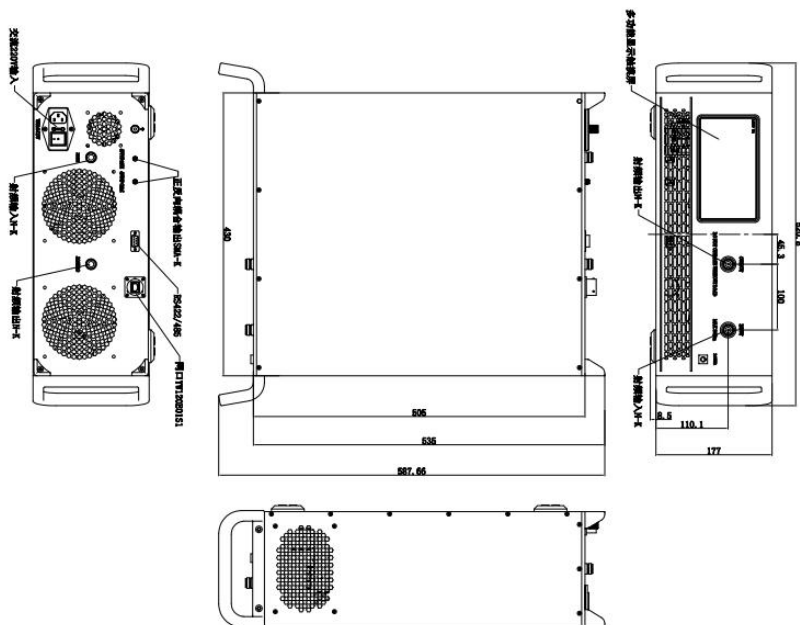
Parameter	Value	Units
Input/Output Connector	N Female/WRD500	
Size	19 Inch 4U	mm
Weight	≤ 35	Kg

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	TBD
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
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	-20		+50	°C
Non-operating Temperature	-55		+125	°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
TLPA6G8G-50-48-BC	Solid State High Power Amplifier Systems 6-8GHz,Gain:50dB,Psat:48dBm,220V AC,Built in Fan Cooling	Rev.1.0