

Model:TLPA4G8G-60-60-BC

Solid State High Power Amplifier Systems 4-8GHz,Gain:60dB,Peak output Power:60dBm220V AC

Feature:

- Wide Band: 4-8GHz
- Gain: 60dB Min
- Peak Output Power:60dBm 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	4-8			GHz
Gain	GP	60			ΔG
Gain flatness	ΔGL		±3		ΔG
Peak Output Power	P.P	60			dBm
Output power adjust range	ΔPR		30		dB
Output power adjust step	ΔPS		0.5		dB
Peak Power flatness	ΔP.PL			±1.5	dB
Duty Cycle	PWM			20	%
Pulse Width	PW	0.1		1000	us
Modulation frequency	FM			100	KHz
Rise time	PT		30	50	ns
Fall time	NT		30	50	ns
Spurious	Spur		-60	-50	dBc
Harmonics	HAM		-15	-12	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	220			V AC
Power Consumption@5%,10%	Pdiss	430/850@Max			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

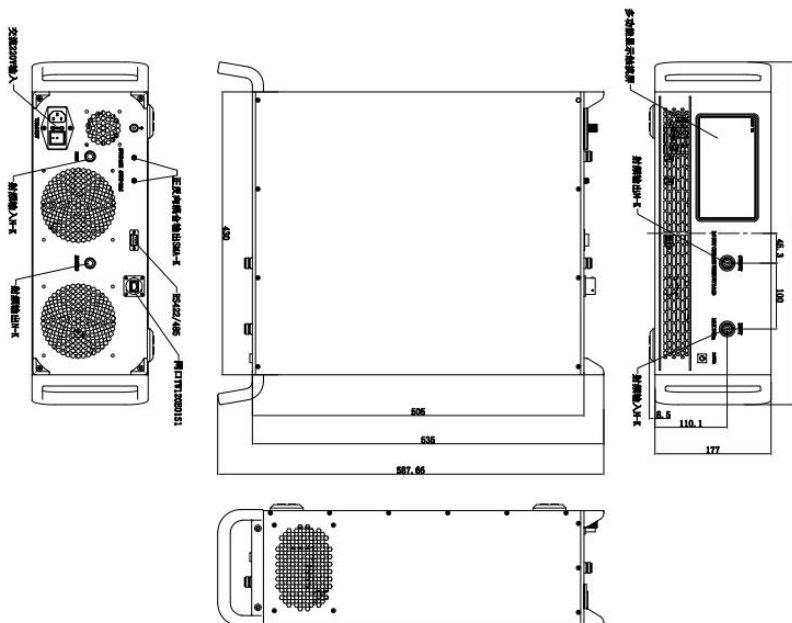
Parameter	Value	Units
Input/Output Connector	N Female/N Female	
Control ports	RS422/LAN/GPIB	
Size	19 Inch 5U	
Weight	/	Kg

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	260V AC
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Key Features:

Parameter	Advantages
Control	RS422/Ethernet, LCD Screen Display
Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
Control functions	1, Power setting On/Off 2, ALC 3, RF ON/Off 4, Gain adjustment 5, Real time status query
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
TLPA4G8G-60-60-BC	Solid State High Power Amplifier Systems 4-8GHz,Gain:60dB,Peak output Power:60dBm,220V AC,Built in Fan Cooling	Rev.1.0