

## Model:TLPA4G8G-63-62-P-BC

## Solid State High Power Amplifier Systems 4-8GHz,Gain:63dB,Peak output Power:62dBm220V AC

### Feature:

- Wide Band: 4-8GHz
- Gain: 62dB Min
- Peak Output Power:62dBm 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	63			dB
Peak Output Power	P.P	62	63		dBm
Output power adjust range	$\Delta$ PR		40		dB
Output power adjust step	$\Delta$ PS		0.5		dB
Output power adjust accuracy	$\Delta$ PA		$\pm 1$		dB
Duty Cycle	PWM			10	%
Pulse Width	PW	0.2		500	us
Modulation frequency	FM	0.2		500	KHz
Rise time	PT		50	100	ns
Fall time	NT		50	100	ns
Output Psat	Psat	46			dBm
Spurious	Spur			-60	dBc
Harmonics	HAM			-12	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	220			V AC
Power Consumption	Pdiss	1000			Watts
Impedance	I/O-IMP	50			Ohms

### Mechanical Specifications:

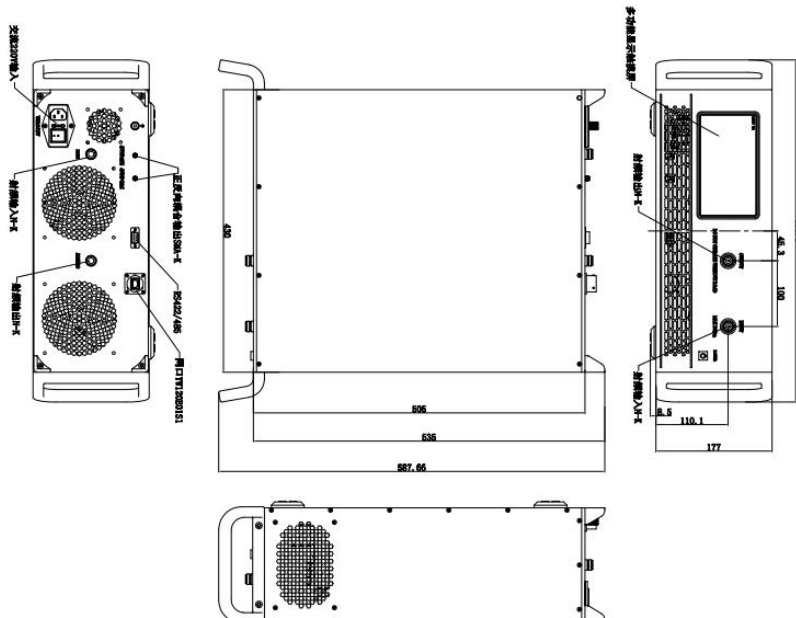
Parameter	Value	Units
Input/Output Connector	TNC Female/WRD-350	
AC power Soft-Start	Push-button	
Forward/Reverse Coupling Connector	SMA Female/SMA Female	
Front Panel LCD Screen Display	7 inch touch screen	
Communication Interfaces	RJ45/DB9	
Pulse Input	TNC Female	
Size	19 inches Rack mount, 12U*550 depth	mm
Weight	/	Kg

### Absolute Maximum Ratings:

Parameter	Value
RF Input Power	15dBm
ESD sensitivity (HBm)	Class 0, passed 150V

### Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

**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-63-62-P-BC	Solid State High Power Amplifier Systems 4-8GHz,Gain:63dB,Peak output Power:62dBm,220V AC,Built in Fan Cooling	Rev.1.0