

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


电气特性 Electrical Specifications:

参数Parameter	代码 Sympo	Min	Typ	Max	单位Units
频率范围 Frequency range	BW	4-8			GHz
增益 Gain	GP	63			dB
峰值输出功率 Peak Output Power	P.P	62	63		dBm
输出功率可调范围 Output power adjust range	Δ PR		40		dB
输出功率可调步进 Output power adjust step	Δ PS		0.5		dB
输出功率可调精度 Output power adjust accuracy	Δ PA		± 1		dB
脉冲占空比 Duty Cycle	PWM			10	%
脉冲宽度 Pulse Width	PW	0.2		500	us
调制频率 Modulation frequency	FM	0.2		500	KHz
上升沿时间 Rise time	PT		50	100	ns
下降沿时间 Fall time	NT		50	100	ns
饱和输出功率 Output Psat	Psat	46			dBm
杂散 Spurious	Spur			-60	dBc
谐波 Harmonics	HAM			-12	dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 AC Voltage	Vac	220			V AC
功耗 Power Consumption	Pdiss	1000			Watts
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical Specifications:

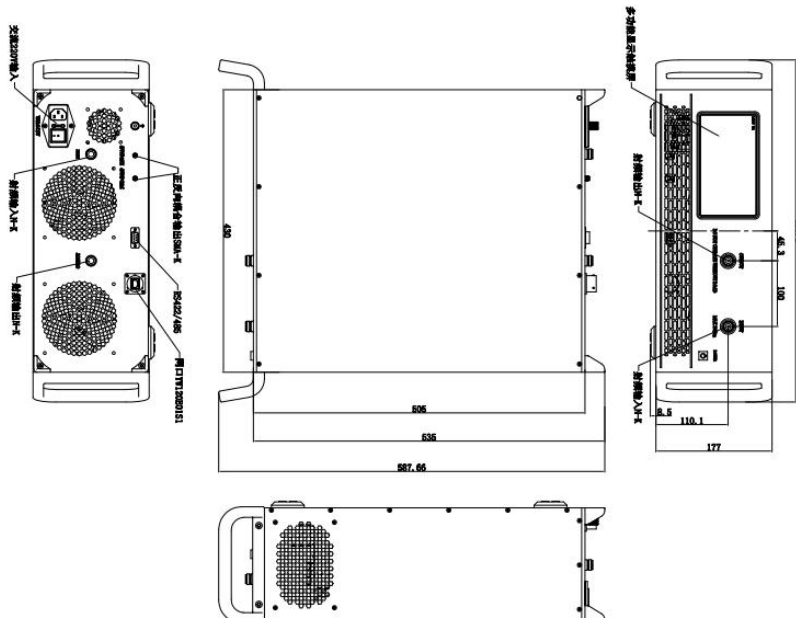
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input/Output Connector	TNC Female/WRD-350	
供电启动按键 AC power Soft-Start	Push-button	
正向/反向耦合 Forward/Reverse Coupling Connector	SMA Female/SMA Female	
液晶显示屏 Front Panel LCD Screen Display	7 inch touch screen	
通信接口 Communication Interfaces	RJ45/DB9	
脉冲输入 Pulse Input	TNC Female	
尺寸 Size	19 inches Rack mount, 12U*550 depth	mm
重量 Weight	/	Kg

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
输入功率 RF Input Power	15dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

主要功能 Kye Features:

参数 Parameter	特点 Advantages
控制 Control	RS422/Ethernet,LCD Screen Display
内置保护功能 Protection functions	1,Over TEM 2,Over voltage 3,Over current protection 4,Over VSWR
控制功能 Control functions	1, Power setting On/Off 2,ALC 3,RF ON/Off 4,Gain adjustment 5,Real time status query
冷却系统 Cooling system	Built in Cooling system,forced air cooling

温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-20		+50	°C
存储温度 Non-operating Temperature	-45		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50000			feet
震动 Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号 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