

**Model:TLPA4G8G-63-62-P-BC**
**Solid State High Power Amplifier Systems  
 4-8 GHz,Gain:63dB, Peak output  
 power :62dBm,220V AC**
**Feature:**

- Ultra Wide Band: 4-8GHz
- Gain: 62dB Min
- Peak output power: 62dBm Min
- Protection:Over TEM,over voltage, over current ,overreflection protection.
- Working mode:PULSE ONLY

**电气特性 Electrical:**

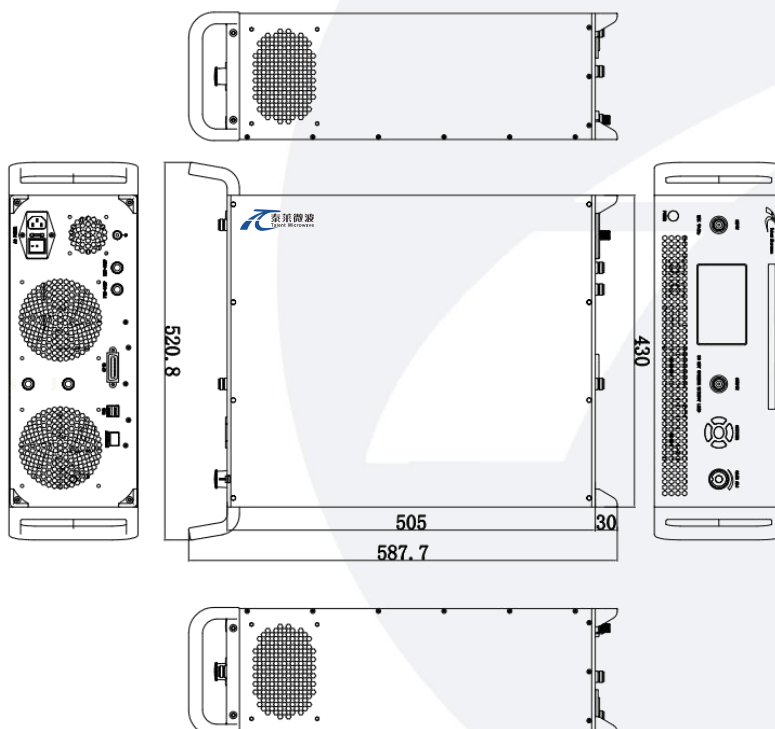
参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	4-8			GHz
工作模式Working mode	PULSE ONLY			
功率增益 Power Gain	63			dB
峰值输出功率 Peak output power	62	63		dBm
输出功率可调范围 Output power control		40		dB
输出功率可调步进 Output power control Step		0.5		dB
输出功率可调精度 Output power control accuracy		±1		dB
脉冲占空比 Duty Cycle			10	%
脉冲宽度 Pulse Width	0.2		500	US
调制频率 Modulation frequency	0.2		500	KHz
脉冲输入 Pulse input	TTL level, 50 ohm nominal termination			
上升沿时间 Rise time		50	100	ns
下降沿时间 Fall time		50	100	ns
脉冲衰减Pulse droop@ 100us Pulse Width		0.5	1	dB
脉冲开关比 Pulse On/Off Ratio	70			dBc
输入功率 Input Power			15	dBm
杂散 Non-Harmonic Spurious@Pout=1.5KW	60			dBc
谐波 Harmonics@Pout=1.5KW	12			dBc
驻波 VSWR			2.0	:1
交流电压 AC Voltage	220/50Hz			V AC
功耗 Power Consumptio@10%		1000		W

**机械特性 Mechanical :**

参数Parameter	指标 Value	单位Units
输入接口 Input Connector	TNC Female	
输出接口 Output Connector	WRD-350	
供电启动按键 AC power Soft-Start	Push-button	
正向耦合 Forward Coupling Connector	SMA Female	
反向耦合 Reverse Coupling Connector	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-height, Depth≤550mm	
重量 Weight	/	Kg

**外形尺寸 Outline Drawing:**

Unit: mm



**主要功能 Key Features:**

参数Parameter	特点 Advantages
通信 Communication	RS422/Ethernet, LCD Screen Display
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
内置保护功能 Protection functions	1, Over TEM 2, Over voltage 3, Over VSWR
指示灯 Indications	1, AC ON/OFF 2, DC ON/OFF 3, RF ON/OFF 4, FAULT
冷却系统 Cooling system	Front to back forced air cooling fans makes this ideal for usage in test equipment racks

**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	50,000			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 4-8 GHz, Gain: 63dB, Peak output power : 62dBm, 220V AC	Rev.1.0