

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



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	60			ΔG
增益平坦度 Gain flatness	ΔGL		±3		ΔG
峰值输出功率 Peak Output Power	P.P	60			dBm
输出功率可调范围 Output power adjust range	ΔPR		30		dB
输出功率可调步进 Output power adjust step	ΔPS		0.5		dB
峰值功率平坦度 Peak Power flatness	ΔP.PL			±1.5	dB
脉冲占空比 Duty Cycle	PWM			20	%
脉冲宽度 Pulse Width	PW	0.1		1000	us
调制频率 Modulation frequency	FM			100	KHz
上升沿时间 Rise time	PT		30	50	ns
下降沿时间 Fall time	NT		30	50	ns
杂散 Spurious	Spur		-60	-50	dBc
谐波 Harmonics	HAM		-15	-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@5%,10%	Pdiss	430/850@Max			Watts
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical Specifications:

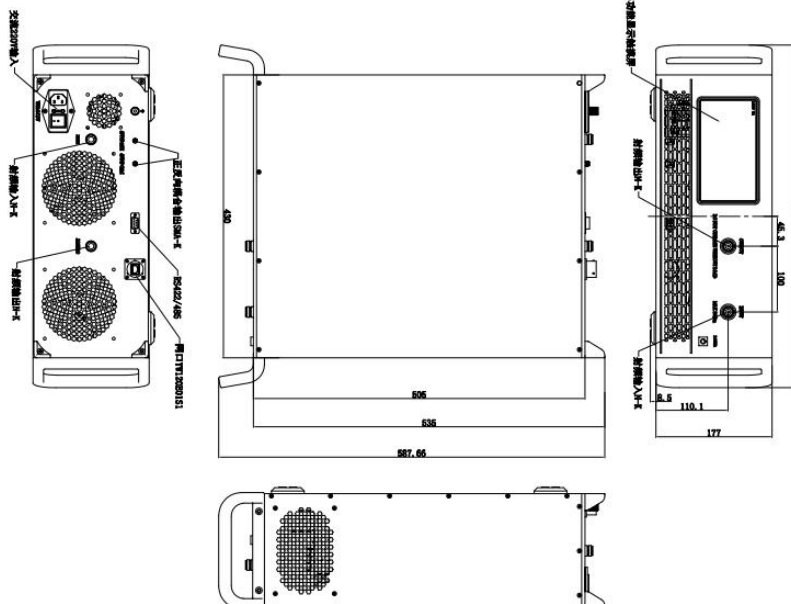
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input/Output Connector	N Female/N Female	
控制接口 Control ports	RS422/LAN/GPIB	
尺寸 Size	19 Inch 5U	
重量 Weight	/	Kg

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	260V AC
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 Key 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-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