

Model:TLPA6G8G-50-48-BC
**Solid State High Power Amplifier Systems
 6-8GHz, Gain:5dB, Psat:48dBm, 220V AC**
Feature:

- Ultra Wide Band: 6-8GHz
- Gain: 50dB Min
- Psat Output Power: 48dBm Min
- Protection: Over TEM, over voltage, over current, over VSWR protection.
- 50 Ohm Matched Input / Output


电气特性 Electrical:

参数Parameter	代码 Symbol	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	BW	6-8			GHz
功率增益 Power Gain	Gp	50			dB
增益平坦度 Gain Flatness	ΔG			± 3	dB
饱和输出功率 Psat	Psat	48			dBm
输入功率@Pout=53dBm	Pin		0	10	dBm
杂散抑制Spurious@Pout=48dBm	Spur	60			dBc
谐波抑制Harmonics@Pout=48dBm	2nd		20		dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 DC Voltage	Vdc	220			V AC
功耗 Power Consumption	Pdiss			500	W
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical :

参数Parameter	指标 Value	单位 Units
输入输出接口 Input /Output Connector	N-K/WRD500	
尺寸 Size	19 Inch 4U	mm
重量 Weight	≤ 35	Kg

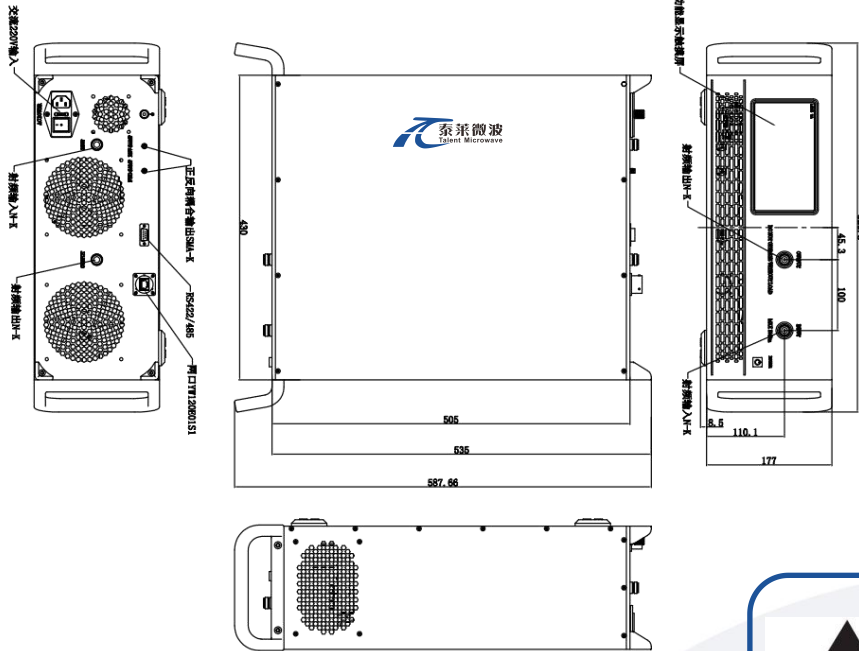

 Available 220V System
 Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
输入功率 RF INPUT POWER	10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



功能 Function:

保护 Protection	Over Temperature/Over Voltage/Over Current/Over VSWR
控制 Control	RS422/Ethernet

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	-55		+125	°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
TLPA6G8G-50-48-BC	Power amplifier 6-8GHz, Gain:50dB, Psat:48dBm, 220V AC, Protection:Over TEM, over voltage, over current, over VSWR protection.	Rev.1.1