

**Model:TLPA0.5G6G-56-54-BC**
**Solid State High Power Amplifier Systems  
 0.5-6GHz, Gain:56dB, Psat:54dBm, 220V AC**
**Feature:**

- Ultra Wide Band: 0.5-6GHz
- Gain: 56dB Min
- Psat Output Power:54dBm Min
- Protection:Over TEM, over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output


**电气特性 Electrical:**

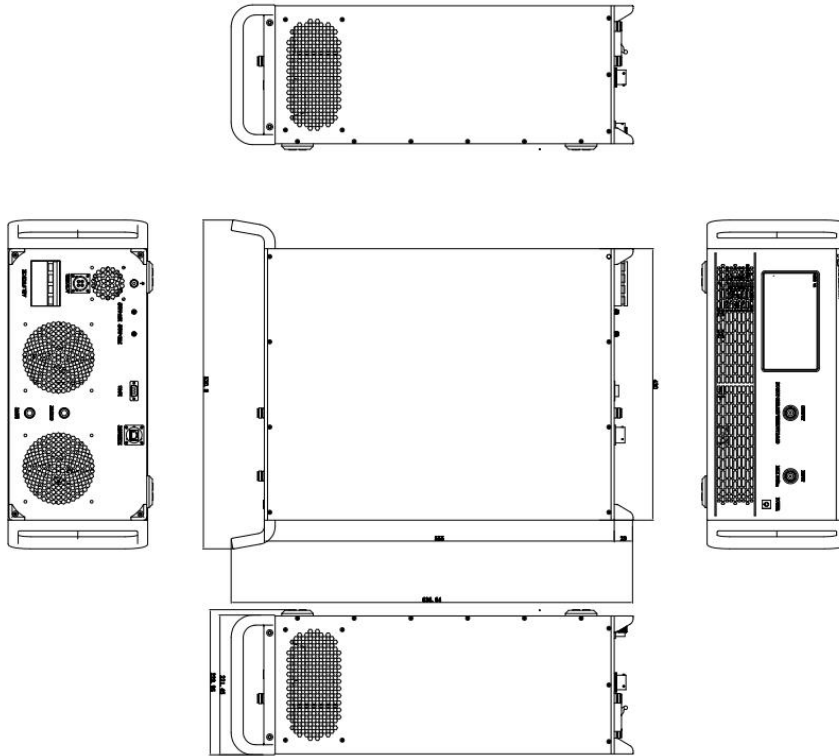
参数Parameter	代码Symbol	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	BW	0.5-6			GHz
增益 Gain	Gp	56			dB
饱和输出功率 Psat	Psat	54			dBm
线性输出功率 P1dB	P1dB		49		dBm
输入功率 Input Power	Pin		0	10	dBm
杂散 Non-Harmonic Spurious	Spur	60			dBc
谐波 Harmonics	HAM	10			dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 AC Voltage	Vac	220/50Hz			V AC
功耗 Power Consumptio	Pdiss			2000	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 接口Input Connector	N Female	
输出接口 Output Connector	N Female	
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 LCD Screen Display	
通信接口Communication Interfaces	RJ45/DB9	
尺寸 Size	19 Inch 5U,550mm depth	
重量 Weight	50	Kg

外形尺寸 Outline Drawing:

Unit: mm(Inches)



主要功能 Key Features:

参数 Parameter	特点 Advantages
控制 Control	RS422/Ethernet
控制功能 Control functions	1, Power setting On/Off 2, ALC
内置保护功能 Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
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
TLPA0.5G6G-56-54-BC	Solid State High Power Amplifier Systems, 0.5-6GHz, Gain:56dB, Psat:54dBm, 220V AC	Rev.1.0