

**Model:TLPA0.5G2G-55-55-BC**
**Solid State High Power Amplifier Systems  
 0.5-2GHz,Gain:55dB,Psat:55 dBm,220V AC**
**Feature:**

- Wide Band: 0.5-2GHz
- Gain: 55dB Min
- Psat Output Power:55dBm 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Symbo	Min	Typ	Max	单位Units
频率范围 Frequency range	BW	0.5-2			GHz
功率增益 Power Gain	GP	55			dB
增益平坦度 Gain flatness	$\Delta$ GL		$\pm 3$		dB
饱和输出功率 Output Psat	Psat	55			dBm
杂散 Spurious@Pout=55dBm	Spur			-60	dBc
谐波 Harmonics@Pout=55dBm	HAM			-10	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	1500@Max			W
阻抗 Impedance	I/O-IMP	50			Ohms

**机械特性 Mechanical Specifications:**

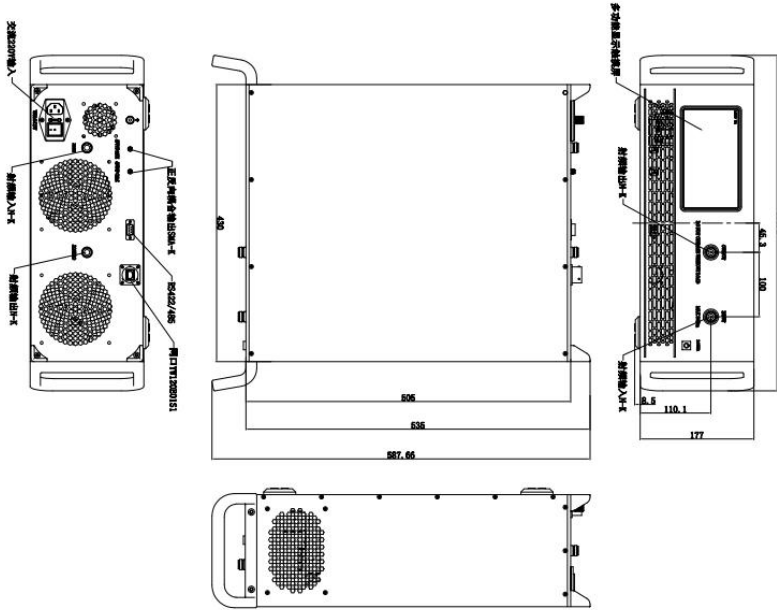
参数 Parameter	指标 Value	单位Units
输入/输出接口 Input /Output Connector	N Female/N Female	
正向/反向耦合 Forward/Reverse Coupling	SMA Female/ SMA Female	
通信接口 Communication Connector	DB9/RJ45	
液晶显示屏 Front Panel LCD Screen Display	7 inch LCD Screen Display	
尺寸 Size	19 Inch 4U*550	mm
重量 Weight	$\leq 35$	Kg

**绝对最大值 Absolute Maximum Ratings:**

参数 Parameter	指标 Value
输入功率 RF Input Power	5 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

**外形尺寸 Outline Drawing:**

Unit: mm



**主要功能 Key Features:**



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

参数 Parameter	特点 Advantages
控制功能 Control functions	1, Power setting On/Off 2, ALC automatic level control
内置保护功能 Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
监控和控制 Remote control	RS422/Ethernet
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*	-30		+60	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	10000			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			

\*Note: For a wider temperature range, please consult the manufacturer.

**订货信息 Ordering Information:**

标准型号 Part Number	描述 Description	版本号 Revision
TLPA0.5G2G-55-55-BC	Solid State High Power Amplifier Systems 0.5-2GHz, Gain:55dB, Psat:55 dBm, 220V AC, Built in Fan Cooling	Rev.1.0