

Model:TLPA17G22G-51-51-BC

Solid State High Power Amplifier Systems 17-22GHz,Gain:51dB,Psat:51 dBm,220V AC

Feature:

- Wide Band: 17-22GHz
- Gain: 51dB Min
- Psat Output Power:51dBm 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	17-22			GHz
小信号增益 Small Signal Gain	SSGP	51			dB
增益平坦度 Gain flatness	Δ GL			± 4	dB
饱和输出功率 Output Psat	Psat	51			dBm
杂散 Spurious@Pout=53dBm	Spur			-60	dBc
谐波 Harmonics@Pout=53dBm	HAM			-20	dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 AC Voltage	Vac		220		V AC
功耗 Consumption	Pdiss			3000	W
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical Specifications:

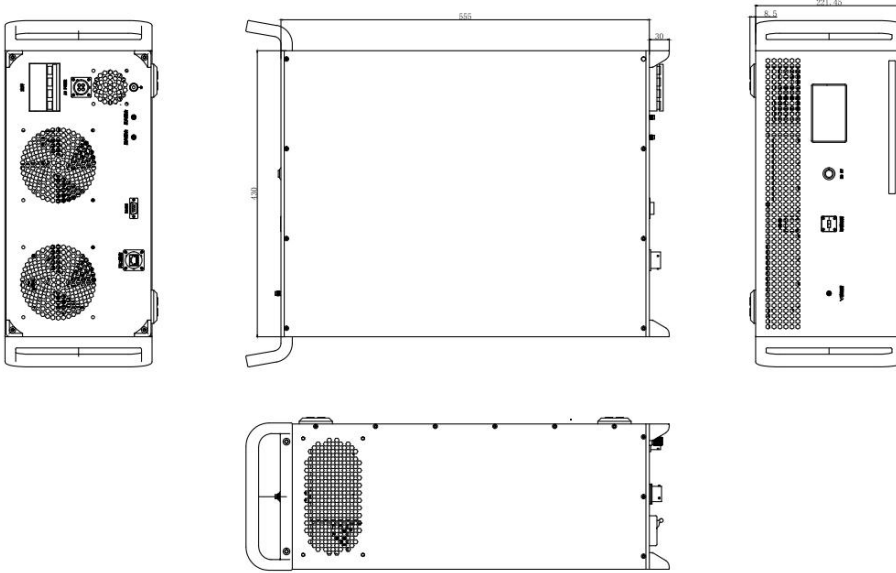
参数 Parameter	指标 Value	单位Units
输入/输出接口 Input /Output Connector	2.92mm Female/WR-51	
通信接口 Communication Connector	RJ-45/DB9	
液晶显示屏 Front Panel LCD Screen Display	7 inch LCD Screen Display	
尺寸 Size	19 Inch 5U*553	mm
重量 Weight	≤ 45	Kg

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
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



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
显示功能 Display functions	1, Output Power 2, Reflect Power 3, Fault Informations
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		+40	°C
存储温度 Non-operating Temperature*	-30		+50	°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
TLPA17G22G-51-51-BC	Solid State High Power Amplifier Systems 17-22GHz, Gain:51dB, Psat:51 dBm, 220V AC, Built in Fan Cooling	Rev.1.0