

Model:TLPA0.3G6G-50-50-BC

**Solid State High Power Amplifier Systems
0.3-6GHz,Gain:50dB,Psat:50 dBm,220V AC**

Feature:

- Ultra Wide Band: 0.3-6 GHz
- Gain: 50 dB Min
- Psat Output Power: 50 dBm 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	0.3-6 Band A:0.3-2 Band B:2-6			GHz
增益 Gain	GP	50			dB
增益可调范围 Gain adjustable range	ΔGR		31.5		dB
增益可调步进 Gain adjustable Step	ΔGS		0.5		dB
饱和输出功率 Output Psat	Psat	50			dBm
杂散 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		V AC
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical Specifications:

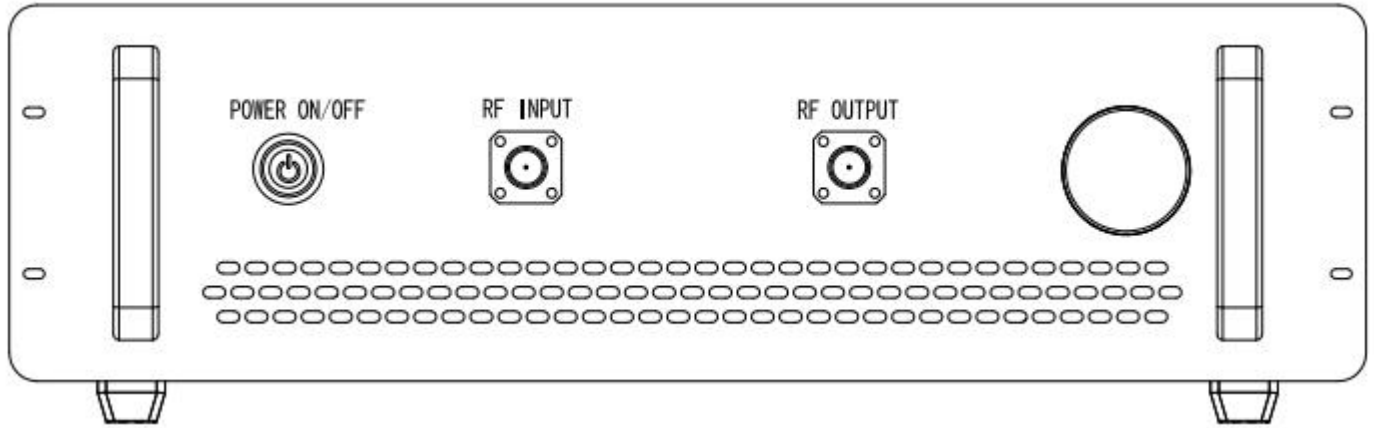
参数 Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	N Female	
AC加电控制 AC Power Interface	Air switch	
尺寸 Size	19 Inch 5U	mm
重量 Weight	25	Kg

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
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 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
通信功能 Communication functions	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	-40		+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
TLPA0.3G6G-50-50-BC	Solid State High Power Amplifier Systems 0.3G6GHz, Gain:50dB, Psat:50 dBm, 220V AC, Built in Fan Cooling	Rev.1.0