

Model: TLPA18G40G-50-50-BC
**Solid State High Power Amplifier Systems
 18-40GHz, Gain: 50dB, Psat: 50dBm, 380V AC**
Feature:

- Wide Band: 18-40GHz
- Gain: 50dB Min
- Psat Output Power: 50dBm 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 Sympo	Min	Typ	Max	单位 Units
频率范围 Frequency range	BW	18-40			GHz
功率增益 Power Gain	GP	50			dB
增益平坦度 Gain flatness	Δ GL		± 5		dB
饱和输出功率 Output Psat	Psat	50	51		dBm
杂散 Spurious@Pout=50dBm	Spur			-50	dBc
谐波 Harmonics@Pout=50dBm	HAM			-15	dBc
输入驻波 Input VSWR	VSWRin			2	:1
交流电压 AC Voltage	Vac	380			V AC
功耗 Power Consumption	Pdiss	4000@Max			Watts
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical Specifications:

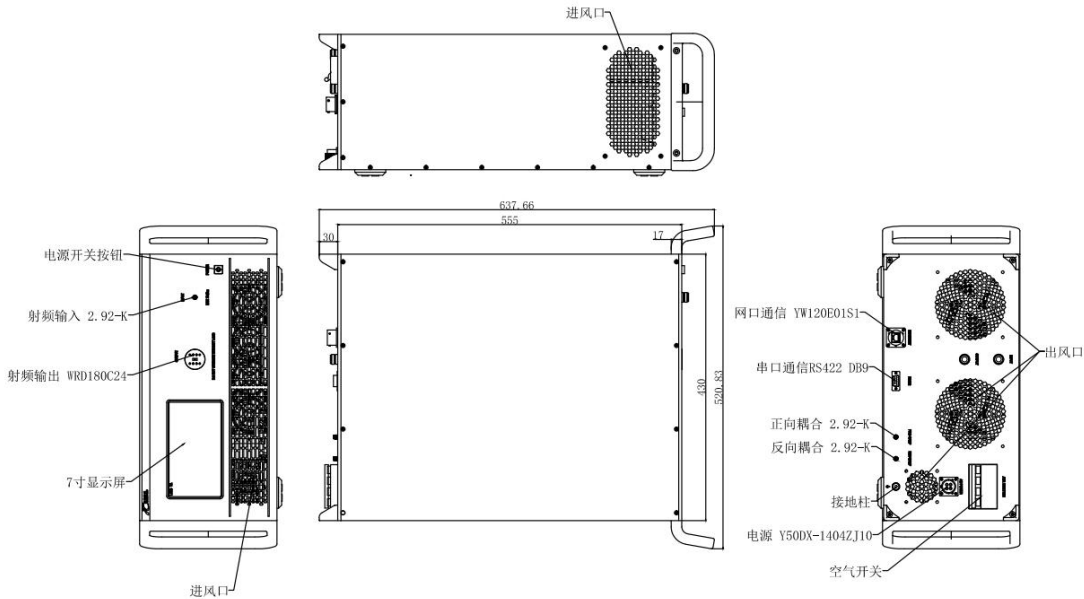
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input/Output Connector	2.92mm Female/WR-180	
通信接口 Communication Interfaces	RJ45/DB9	
尺寸 Size	19 inch 8U*550 depth	mm
重量 Weight	≤ 70	Kg

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
显示功能 Display functions	1, Display the current out/reflected power 2, Display fault information
内置保护功能 Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
控制功能 Control functions	1, ProgrAm_controlled switching machine by network port&RS422 2, Adjust output power
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		+85	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	15000			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
TLPA18G40G-50-50-BC	Solid State High Power Amplifier Systems 18-40GHz,Gain:50dB,Psat:50dBm,380V AC,Built in Fan Cooling	Rev.1.1