

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

Electrical Specifications:

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	18-40			GHz
Power Gain	GP	50			dB
Gain flatness	Δ GL		\pm 5		dB
Output Psat	Psat	50	51		dBm
Spurious@Pout=50dBm	Spur			-50	dBc
Harmonics@Pout=50dBm	HAM			-15	dBc
Input VSWR	VSWRin			2	:1
AC Voltage	Vac	380			V AC
Power Consumption	Pdiss	4000@Max			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

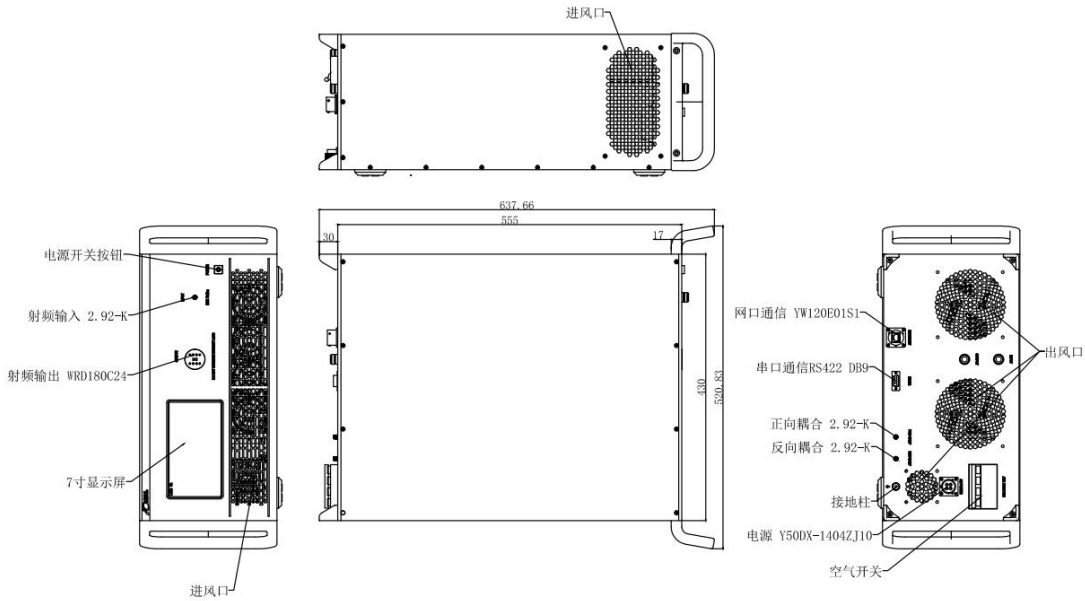
Parameter	Value	单位Units
Input/Output Connector	2.92mm Female/WR-180	
Communication Interfaces	RJ45/DB9	
Size	19 inch 8U*550 depth	mm
Weight	\leq 70	Kg

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Key Features:



Parameter	Advantages
Display functions	1, Display the current out/reflected power 2, Display fault information
Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
Control functions	1, ProgrAm_controlled switching machine by network port&RS422 2, Adjust output power
Cooling system	Built in Cooling system, forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	°C
Non-operating Temperature	-40		+85	°C
Relative humidity		95		%
Altitude	15000			feet
Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	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