

Model:TLPA8G18G-64-64-P-BC
**Solid State High Power Amplifier Systems
 8-18GHz,Gain:64dB,Psat:64 dBm,220V AC**
Feature:

- Wide Band: 8-18GHz
- Gain: 64dB Min
- Psat Output Power:64dBm 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	8-18			GHz
Gain	GP	64			dB
Gain flatness	Δ GL		± 4	± 4.5	dB
Output Psat	Psat	64	65		dBm
Output P1dB	P1dB		47		dBm
Spurious	Spur			-60	dBc
Harmonics	HAM			-30	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	220			V AC
Power Consumption@5%@10%@20%	Pdiss	900/1700/3500			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

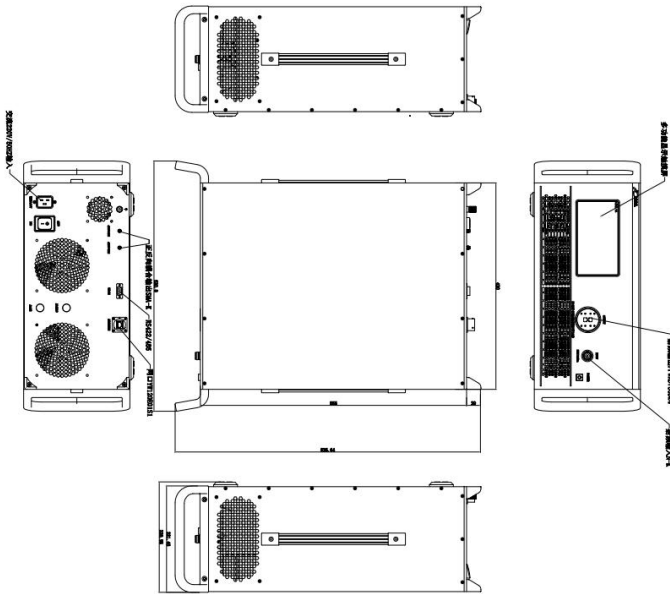
Parameter	Value	Units
Input /Output Connector	SMA Female/WRD750	
Forward/Reverse Coupling	SMA Female/SMA Female	
Front Panel LCD Screen Display	7 inch LCD Screen Display	
Size	19 Inch 5U*550 depth	mm
Weight	45	Kg

Absolute Maximum Ratings:

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

Outline Drawing:

Unit: mm



Key Features:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Parameter	Advantages
Control functions	1, Power setting On/Off 2, ALC automatic level control
Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
Cooling system	Built in Cooling system, forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+40	°C
Non-operating Temperature	-45		+65	°C
Relative humidity		95		%
Altitude	50000			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
TLPA8G18G-64-64-P-BC	Solid State High Power Amplifier Systems 8-18GHz, Gain:64dB, Psat:64 dBm, 220V AC, Built in Fan Cooling	Rev.1.0