

Model:TLPA0.4G8G-40-41-BC
**Solid State High Power Amplifier Systems
 0.4-8GHz,Gain:40dB,PSat:41dBm,220V AC**
Feature:

- Ultra Wide Band: 0.4-8GHz
- Gain: 40dB Min
- P1dB Output Power: 41dBm Typ
- 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	0.4-8			GHz
Gain	GP	40	43		dB
Gain flatness	Δ GL		± 3	± 5	dB
Output P1dB	P1dB	38	40		dBm
Output Psat	Psat	39	41		dBm
Spurious	Spur			-60	dBc
Harmonics	HAM			-10	dBc
Input VSWR	VSWRin		1.5	2.0	:1
AC Voltage	Vac	110	220		V AC
AC Supply Current	Iac	5A@220V AC			A AC
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

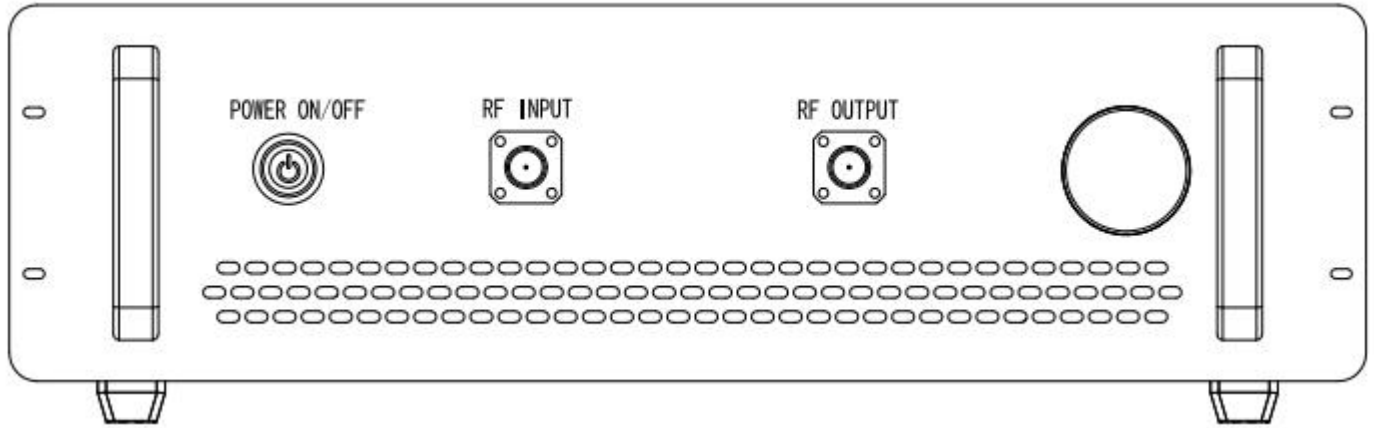
Parameter	Value	Units
Input /Output Connector	N Female	
Size	3U*550 depth	mm
Weight	15	Kg

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	5 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, Gain adjustment
Protection functions	1,Over TEM 2,Over voltage 3,Over current protection
Cooling system	Built in Cooling system,forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+50	°C
Non-operating Temperature	-55		+125	°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
TLPA0.4G8G-40-41-BC	Solid State High Power Amplifier Systems 0.4G8GHz,Gain:40dB,Psat:41 dBm,220V AC,Built in Fan Cooling	Rev.1.0