

**Model:TLPA40G50G-36-35-BC**
**Solid State High Power Amplifier Systems  
 40-50GHz,Gain:35dB,Psat:36 dBm,220V AC**
**Feature:**

- Wide Band: 40-50GHz
- Gain: 35dB Min
- Psat Output Power:36dBm 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	40-50			GHz
Power Gain	GP	35	36		dB
Output Psat	Psat	36			dBm
Spurious@Pout=36dBm	Spur			-50	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac		220		V AC
Power Consumption	Pdiss	120@Max			W
Impedance	I/O-IMP	50			Ohms

**Mechanical Specifications:**

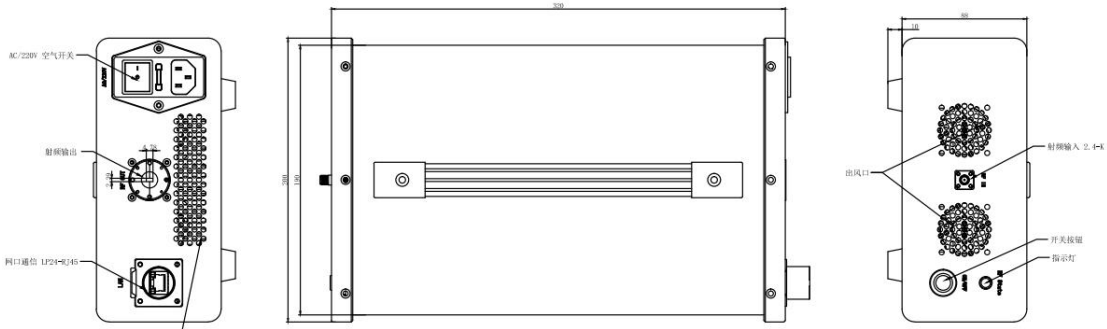
Parameter	Value	Units
Input /Output Connector	2.4mm Female/WR 19	
Communication Connector	RJ45	
Size	320*200*88	mm
Weight	≤5	Kg

**Absolute Maximum Ratings:**

Parameter	Value
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
Protection functions	1, Over TEM 2, Over voltage 3, Over current
Remote control	1, RS422/Ethernet 2, Gain adjust
Cooling system	Built in Cooling system, forced air cooling

**Environmental Conditions:**

Parameter	Min	Typ	Max	Units
Operating Temperature*	-20		+50	°C
Non-operating Temperature*	-30		+60	°C
Relative humidity		95		%
Altitude	10000			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			

\*Note: For a wider temperature range, please consult the manufacturer.

**Ordering Information:**

Part Number	Description	Revision
TLPA40G50G-36-35-BC	Solid State High Power Amplifier Systems 40-50GHz,Gain:35dB,Psat:36 dBm,220V AC,Built in Fan Cooling	Rev.1.0