

**Model:TLPA0.1G6G-40-40-BC**
**Solid State High Power Amplifier Systems  
 0.1GHz-6GHz,Gain:40dB,Psat:40dBm**
**Feature:**

- Ultra Wide Band: 0.1GHz-6GHz
- Gain: 40dB Min
- Psat Output Power: 40 dBm Typ
- Protection:Over TEM,over voltage, over current.
- 50 Ohm Matched Input / Output

**Electrical Specifications:**

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	0.1-6			GHz
Gain	GP	40	45		dB
Gain Flatness	$\Delta$ GL		$\pm$ 3	$\pm$ 5	dB
Output P1dB	P1dB	33	34		dBm
Output Psat	Psat	39	40		dBm
Harmonics	HAM		-10		dBc
Input VSWR	VSWRin		1.5	2.0	:1
AC Voltage	Vac	110	220		V AC
AC Input Power	Pdiss		50	100	Watts
Impedance	I/O-IMP	50			Ohms

**Mechanical Specifications:**

Parameter	Value	Units
Input /Output Connector	SMA Female	
Size	274*214*94	mm
Weight	5	kg

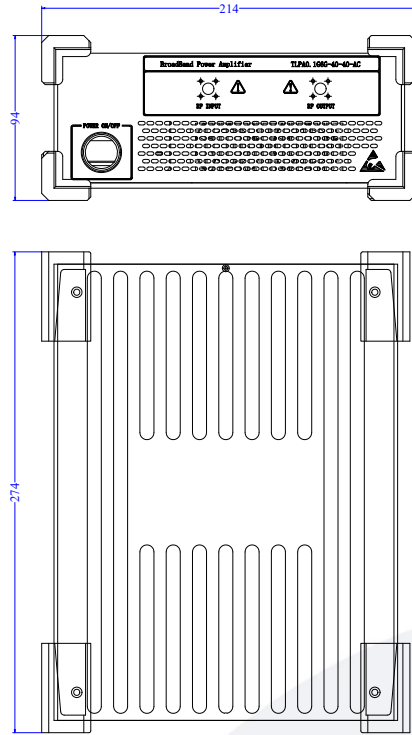

 Available 220V System  
 Benchtop Amplifier

**Absolute Maximum Ratings:**

Parameter	Value
RF Input Power	5 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

**Outline Drawing:**

Unit: mm



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

**Key Features:**

Parameter	Advantages
Control functions	1, Power setting On/Off
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	-20		+50	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	30,000			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
TLPA0.1G6G-40-40-BC	Solid State High Power Amplifier Systems 0.1-6GHz,Gain:40dB,Psat:40 dBm,220V AC,Built in Fan Cooling	Rev.1.0