

Model: TLPA0.1G6G-37-37-BC

Solid State High Power Amplifier Systems 0.1GHz-6GHz, Gain: 37dB, Psat: 37dBm

Feature:

- Ultra Wide Band: 0.1GHz-6GHz
- Gain: 37dB Min
- Psat Output Power: 37 dBm Min
- Protection: Over TEM, over voltage, over current protection.
- 50 Ohm Matched Input / Output



Electrical Specifications:

Parameter	Symbol	Min	Typ	Max	Units
Frequency range	BW	0.1-6			GHz
Gain	GP	37	40		dB
Gain Flatness	Δ GL		± 3	± 4	dB
Output P1dB	P1dB	33	34		dBm
Output Psat	Psat	37	38		dBm
Harmonics@Pout=40dBm	HAM		-10		dBc
Input VSWR	VSWRin		1.5	2.0	:1
AC Voltage	Vac	110	220		V AC
AC Input Power	Pdiss		30	60	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

Absolute Maximum Ratings:

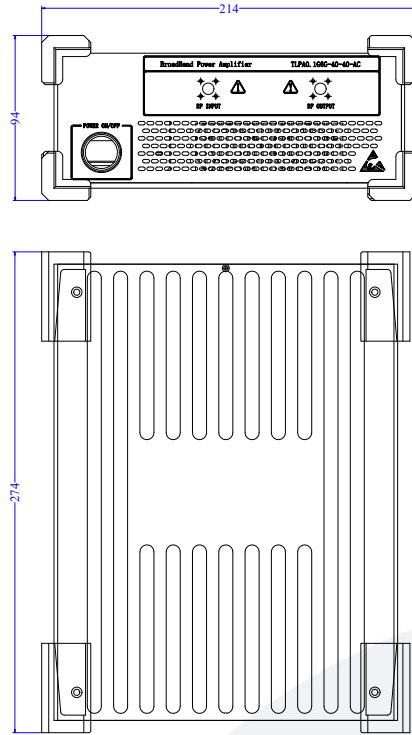
Parameter	Value
RF INPUT POWER	5 dBm
sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



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-37-37-BC	Solid State High Power Amplifier Systems 0.1-6GHz, Gain:37dB, Psat:37 dBm, 220V AC, Built in Fan Cooling	Rev.1.0