

Model:TLPA18G36G-40-37

Power Amplifier

18-36GHz,Gain:40dB,Psat:37dBm

Feature:

- Ultra Wide Band:18-36GHz
- Gain:40dB Typ
- Psat Output Power:37dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	18-36			GHz
Gain		40		dB
Output Psat	37			dBm
Spurious			-50	dBc
Harmonics			-20	dBc
Input VSWR		2		:1
DC Voltage		+24		V DC
DC Supply Current		3.5		A
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	2.92 Female/2.92 Female	
DC Bias	Solder Pin	
Size	/	mm
Weight	1	Kg

Absolute Maximum Ratings:

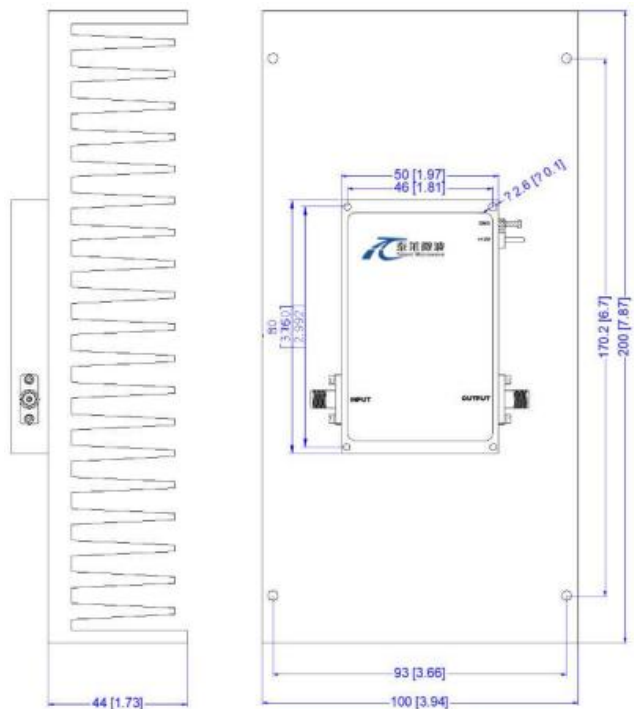
Parameter	Value
Supply Bias Voltage	+30V
RF Input Power	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-0		+50	°C
Non-operating Temperature	-20		+75	°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
TLPA18G36G-40-37	Power amplifier 18-36GHz,Gain 40dB,Psat:37dBm,+24V DC,Without Heatsink.	Rev.1.1
TLPA18G36G-40-37-HS	Power amplifier 18-36GHz,Gain 40dB,Psat:37dBm,+24V DC,With Heatsink.	Rev.1.1