

Model:TLPA24G47G-25-26

Power Amplifier 24-47GHz,Gain:25dB,Psat:26dBm

Feature:

- Ultra Wide Band: 24-47GHz
- Gain:25dB Min
- Psat Output Power:26dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	24-47			GHz
Gain	25	30		dB
Gain Flatness		±2		dB
Output P1dB	25	26		dBm
Output Psat		26		dBm
Input VSWR		2	2.5	:1
DC Voltage		+12		V DC
DC Supply Current		600	1000	mA
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	2.4 Female/2.4 Female	
DC Bias	Solder Pin	
Size	40*35*12	mm
Weight	200	g

Absolute Maximum Ratings:

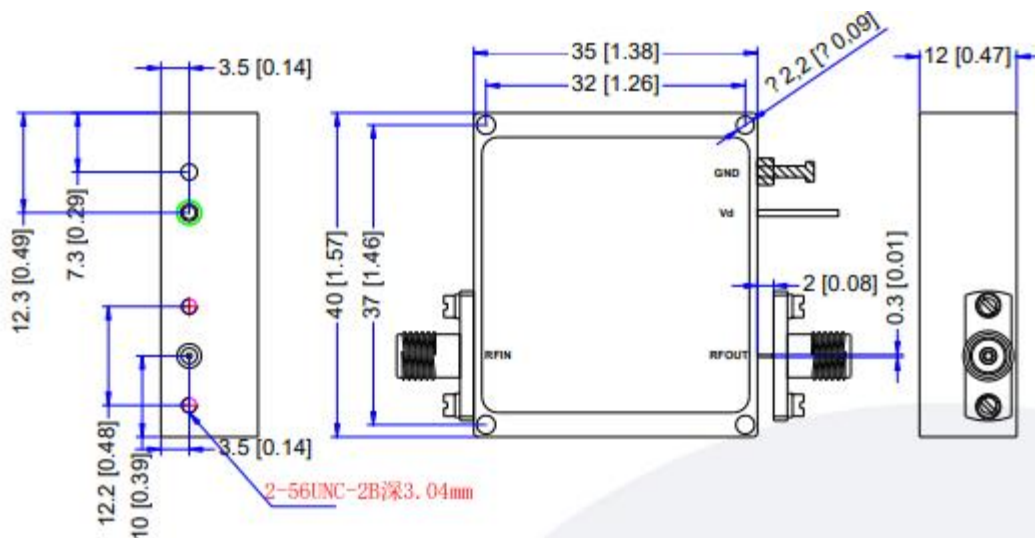
Parameter	Value
Supply Bias Voltage	+12V
RF Input Power	5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



*****Heat Sink Required During Operation**



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity	100%RH at 35°C, 95%RH at 40°C			%
Altitude	50,000			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
TLPA24G47G-25-26	Power amplifier 24-47GHz,Gain:25dB,Psat:26dBm,+12V DC,Without Heatsink.	Rev.1.1
TLPA24G47G-25-26-HS	Power amplifier 24-47GHz,Gain:25dB,Psat:26dBm,+12V DC,With Heatsink.	Rev.1.1