

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

电气特性 Electrical Specifications:

参数Parameter	Min	Typ	Max	单位Units
频率范围 Frequency range	24-47			GHz
增益 Gain	25	30		dB
增益平坦度 Gain Flatness		±2		dB
线性输出功率 Output P1dB	25	26		dBm
饱和输出功率 Output Psat		26		dBm
输入驻波 Input VSWR		2	2.5	:1
直流电压 DC Voltage		+12		V DC
直流电流 DC Supply Current		600	1000	mA
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.4 Female/2.4 Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	40*35*12	mm
重量 Weight	200	g

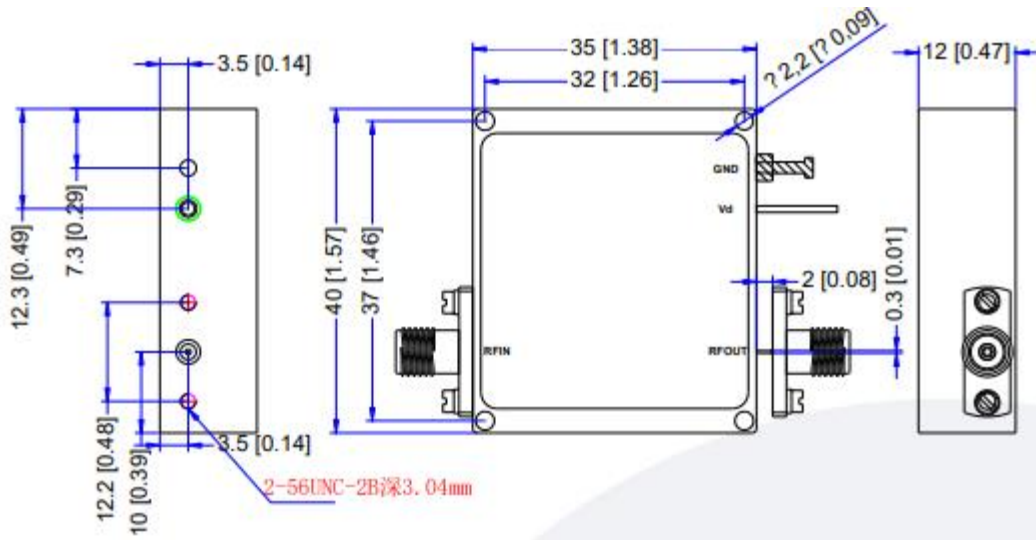
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+12V
输入功率 RF Input Power	5dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
 Benchtop Amplifier**

外形尺寸 Outline Drawing:

Unit: mm



***Heat Sink Required During Operation



温度环境 Environmental Conditions:

参数Parameter	Min	Typ	Max	单位Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity	100%RH at 35°C, 95%RH at 40°C			%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号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