

Model:TLPA18G26.5G-40-37
Power Amplifier
18-26.5GHz,Gain:40dB
Feature:

- Ultra Wide Band: 18-26.5GHz
- Gain: 40dB
- Psat Output Power: 37 dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical:

| 参数Parameter | Min. | Typ. | Max. | 单位Units |
|---|---------|------|------|---------|
| 频率范围 Frequency range | 18-26.5 | | | GHz |
| 增益 Gain | | 40 | | dB |
| 饱和输出功率 Psat | 37 | | | dBm |
| 输入驻波 Input VSWR | | 2.0 | | :1 |
| 输入功率 Input Power | | | 10 | dBm |
| 杂散 Internally Generated Spurious@Pout=37dBm | -50 | | | dBc |
| 谐波抑制@Pout=37dBm | -20 | | | dBc |
| 直流电压 DC Voltage | | +24 | | V DC |
| 直流电流 DC Supply Current | 3.5 | | | A |
| 阻抗 Impedance | 50 | | | Ohms |

机械特性 Mechanical :

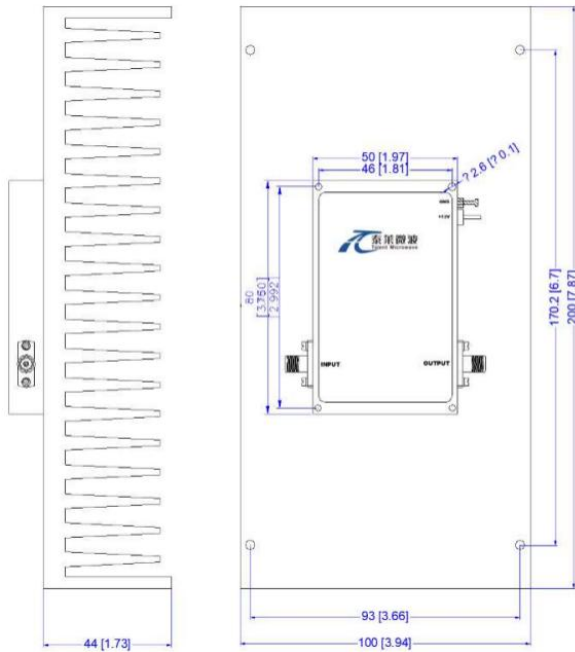
| 参数Parameter | 指标 Value | 单位Units |
|------------------------------|---------------|---------|
| 输入输出接Input /Output Connector | 2.92mm Female | |
| 直流偏置 Bias | Solder Pin | |
| 尺寸 Size | / | mm |
| 重量 Weight | 1000 | g |


绝对最大值 Absolute Maximum Ratings:

| 参数Parameter | 指标 Value |
|------------------------------|----------------------|
| 供电偏置电压 Supply Bias Voltage | +30V |
| 输入功率 RF INPUT POWER | +10 dBm |
| ESD灵敏度 ESD sensitivity (HBm) | Class 0, passed 150V |

外形尺寸 Outline Drawing:

Unit: mm(inches)



温度环境 Environmental Conditions:

| 参数Parameter | Min. | Typ. | Max. | 单位Units |
|------------------------------------|---|------|------|---------|
| 操作温度 Operating Temperature | 0 | | +50 | °C |
| 存储温度 Non-operating Temperature | -20 | | +75 | °C |
| 相对湿度 Relative humidity | | 95 | | % |
| 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 |
|--------------------|--|-------------|
| TLPA18G26.5G-40-37 | Power amplifier 18-26.5GHz,Gain:40dB,24V DC, 2.92mm Female | Rev.1.1 |