

Model: TMPA-050075-2321-15
Power Amplifier
50-75GHz, Gain:23dB,Psat:21dBm
Feature:

- Frequency Range:50-75 GHz
- Gain:23dB Typ
- Output Power Psat:21dBm Typ
- Good Power and Gain Flatness

电气特性 Electrical Specifications:

| 参数Parameter | Min | Typ | Max | 单位Units |
|------------------------|-------|-----|-----|---------|
| 频率范围 Frequency range | 50-75 | | | GHz |
| 增益 Gain | 21 | 23 | | dB |
| 饱和输出功率 Output Psat | 20 | 21 | 23 | dBm |
| 输入驻波 Input VSWR | | 2.5 | | :1 |
| 输出驻波 Output VSWR | | 2.5 | | :1 |
| 直流电压 DC Voltage | | 5 | | V DC |
| 直流电流 DC Supply Current | | 850 | | mA |

机械特性 Mechanical Specifications:

| 参数Parameter | 指标 Value | 单位Units |
|-------------------------------|----------------|---------|
| 输入输出接口Input /Output Connector | WR-15/UG-385/U | |
| 直流偏置 DC Bias | Solder Pin | |
| 尺寸 Size | 65*50*48 | mm |
| 重量 Weight | / | g |

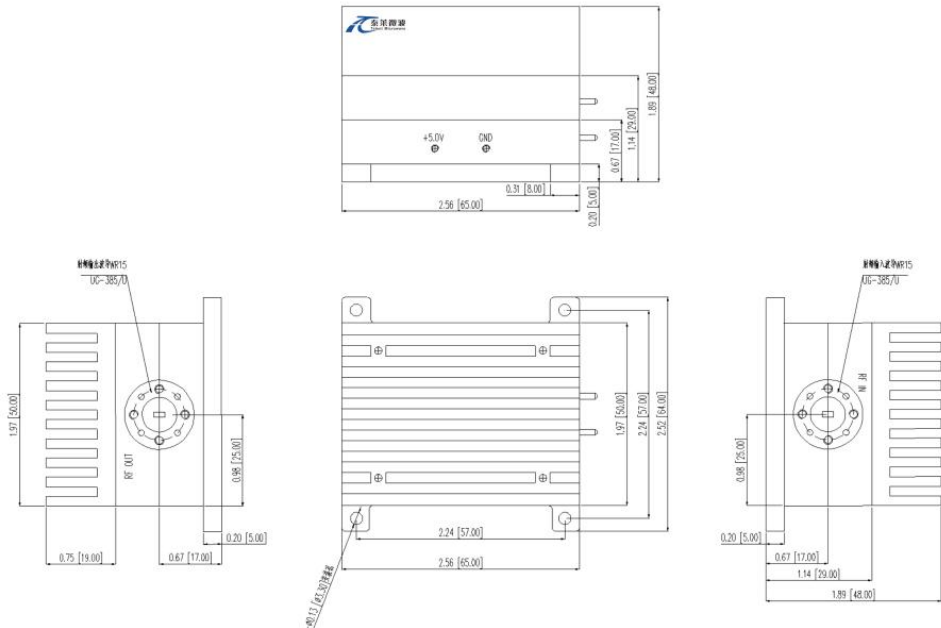
绝对最大值 Absolute Maximum Ratings:

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


 Available 220V System
 Benchtop Amplifier

外形尺寸 Outline Drawing:

Unit: mm(Inches)



温度环境 Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

| 参数Parameter | Min | Typ | Max | 单位Units |
|------------------------------------|---|--------|------|---------|
| 操作温度 Operating Temperature | 0 | | +65 | °C |
| 存储温度 Non-operating Temperature | -55 | | +125 | °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 |
|---------------------|---|-------------|
| TMPA-050075-2321-15 | Power Amplifier,50-75 GHz, Gain:23 dB Typ,Psat:21 dBm Typ,5V DC,WR-15 | Rev.1.1 |