

## TURPA20G50G-2323

## 20GHz-50GHz, Gain:23dB,Psat:23dBm

### Feature:

- Ultra Wide Band: 20GHz-50GHz
- Gain: 23 dB
- 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   | 20-50 |      |      | GHz     |
| 增益 Gain                | 20    | 23   |      | dB      |
| 增益平坦度 Gain Flatness    |       | ±3   |      | dB      |
| 输出 P1dB                | 20.5  | 21   |      | dBm     |
| 输出功率 Psat              | 21    | 23   |      | dBm     |
| 输入驻波 Input VSWR        |       | 2.3  |      | :1      |
| 输出驻波 Output VSWR       |       | 2.3  |      | :1      |
| 直流电压 DC Voltage        | +5    | +6   | +8   | V DC    |
| 直流电流 DC Supply Current |       | 420  |      | 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 | 2.4mm Female |         |
| 直流偏置 Bias                      | Solder Pin   |         |
| 重量 Weight                      | /            | g       |

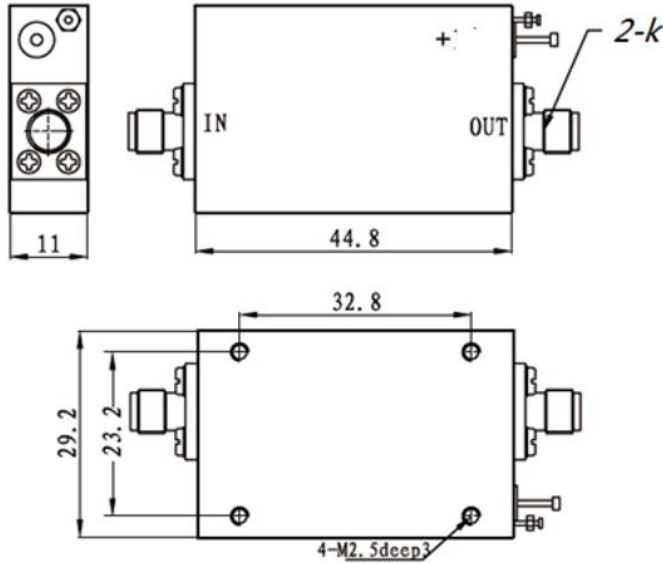
### 绝对最大值 Absolute Maximum Ratings:

| 参数Parameter                | 指标 Value |
|----------------------------|----------|
| 供电偏置电压 Supply Bias Voltage | +8       |
| 输入功率 RF INPUT POWER        | +13 dBm  |



Available 220V System  
 Benchtop Amplifier

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             |   | 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 |
|------------------|--|-------------|
| TURPA20G50G-2323 | Power amplifier 20-50GHz,Gain:23dB,P1dB:21dBm,+8V DC,Without Heatsink. | Rev.1.1     |