

## 10MHz-300MHz, Gain:33dB, Psat:33dBm

### Feature:

- Wide Band: 10MHz-300MHz
- Gain: 33dB Min
- Psat Output Power: 33 dBm Min
- 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       | 10-300 |     |     | MHz     |
| 增益 Gain                    | 33     | 35  |     | dB      |
| 增益平坦度 Gain Flatness        |        | ±1  | ±2  | dB      |
| 饱和输出功率 Output Psat         | 33     | 34  |     | dBm     |
| 谐波抑制 Harmonics @Pout=33dBm |        | -15 |     | dBc     |
| 输入驻波 Input VSWR            |        | 1.5 | 2.0 | :1      |
| 直流电压 DC Voltage            |        | 15  | 16  | V DC    |
| 直流电流 DC Supply Current     |        | 0.2 | 1.0 | A       |
| 阻抗 Impedance               | 50     |     |     | Ohms    |

### 机械特性 Mechanical Specifications:

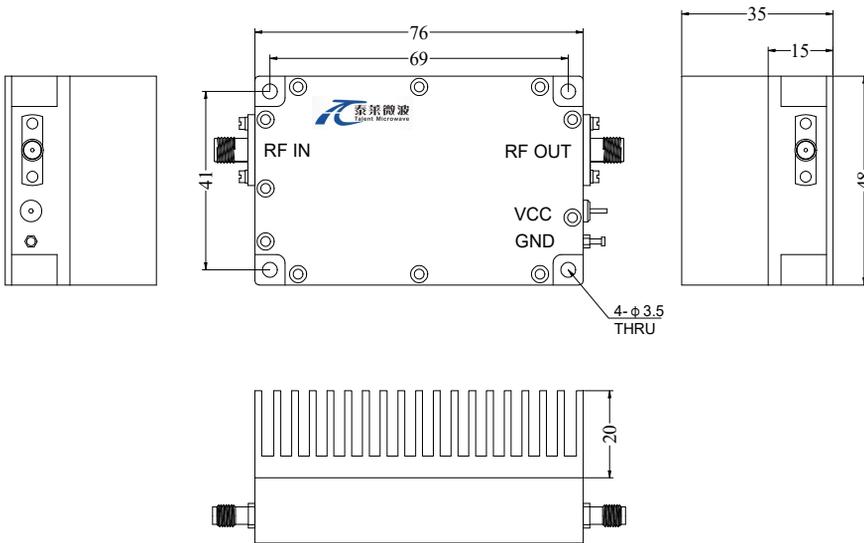
| 参数Parameter                       | 指标 Value   | 单位Units |
|-----------------------------------|------------|---------|
| 输入输出接口<br>Input /Output Connector | SMA Female |         |
| 直流偏置 Bias                         | Solder Pin |         |
| 尺寸 Size                           | 76*48*15   | mm      |
| 重量 Weight                         | 150        | g       |

### 绝对最大值 Absolute Maximum Ratings:

| 参数Parameter                | 指标 Value |
|----------------------------|----------|
| 供电偏置电压 Supply Bias Voltage | 16V      |
| 输入功率 RF INPUT POWER        | 5dBm     |



Unit: mm



**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                        | 30,000  |     |      | 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 |
|------------------|----------------|-------------|
|------------------|----------------|-------------|