

## Model:TMPM-220330-0302-3.4

## G-Band Passive Frequency Tripler X3, 220-330 GHz ,Output Power:2 dBm

### Feature:

- Output Frequency: 220-330GHz
- Output Power : 2 dBm Min
- Low power consumption

### 电气特性 Electrical:

| 参数Parameter                | Min. | Typ. | Max. | 单位Units |
|----------------------------|------|------|------|---------|
| 输出频率 Output Frequency      | 220  |      | 330  | GHz     |
| 输出功率 Output Power          | 2    |      |      | dBm     |
| 输入频率 Input Frequency       | 73   |      | 110  | GHz     |
| 输入功率 Input Power           | 10   | 19   | 22   | dBm     |
| 倍频次数 Multiply Factor       |      | 3    |      | dB      |
| 变频效率 Conversion Efficiency |      | 3.2  |      | %       |

### 机械特性 Mechanical :

| 参数Parameter          | 指标 Value      | 单位Units         |
|----------------------|---------------|-----------------|
| 输出接口Output Connector | WR-3.4/UG-387 |                 |
| 输入接口Input Connector  | WR-10/UG-387  |                 |
| 尺寸 Size              | 20*20*20      | mm <sup>3</sup> |

### 绝对最大值 Absolute Maximum Ratings:

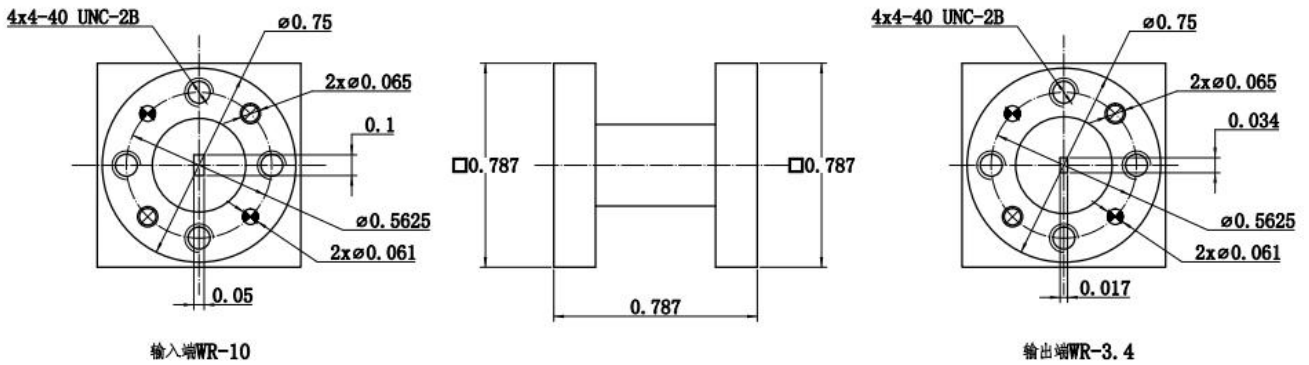
| 参数Parameter                  | 指标 Value             |
|------------------------------|----------------------|
| 供电偏置电压 Supply Bias Voltage   | TBD                  |
| 输入功率 RF Input Power          | +22 dBm              |
| ESD灵敏度 ESD sensitivity (HBm) | Class 0, passed 150V |



Available 220V System  
Benchtop Active  
Multiplier

外形尺寸 Outline Drawing:

Unit: Inches



温度环境 Environmental Conditions:



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

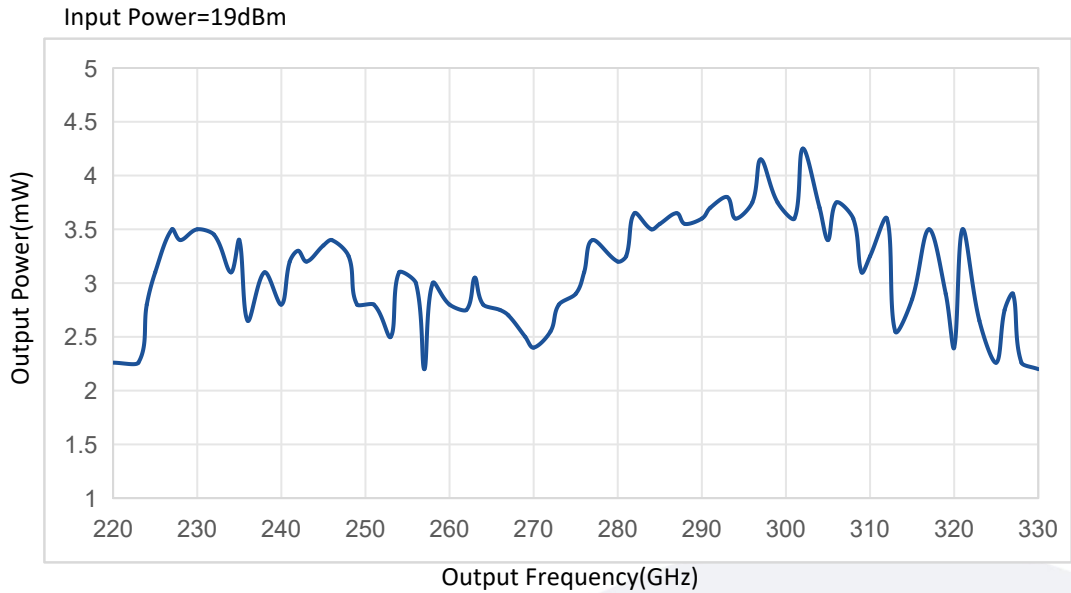
| 参数Parameter                        | Min.  | Typ. | Max. | 单位Units |
|------------------------------------|---|------|------|---------|
| 操作温度 Operating Temperature         | -55   |      | +85  | °C      |
| 存储温度 Non-operating Temperature     | -60   |      | +150 | °C      |
| 相对湿度 Relative humidity             |   | 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 |
|----------------------|--|-------------|
| TMPM-220330-0302-3.4 | G-Band Passive Frequency Tripler<br>X3, 220-330 GHz ,2 dBm Output Power,WR-3.4 | Rev.1.1     |

典型测试曲线 Typical Performance Data:

### Output Power vs Output Frequency



### Output Power vs Input Power

