

Model:TMPM-110170-0204-06
Passive Frequency Tripler
X2,110-170 GHz,2 dBm Output Power
Feature:

- Output Frequency:110-170 GHz
- Output Power:2dBm Typ
- Low power consumption

电气特性 Electrical Specifications:

| 参数 Parameter | Min | Typ | Max | 单位 Units |
|-----------------------|-----|-----|-----|----------|
| 输出频率 Output Frequency | 110 | | 170 | GHz |
| 输入频率 Input Frequency | 55 | | 85 | GHz |
| 输出功率 Output Power | | 2 | | dBm |
| 输入功率 Input Power | | 15 | | dBm |
| 倍频次数 Multiply Factor | | 2 | | |
| 变频损耗 Conversion Loss | | 13 | | dB |

机械特性 Mechanical Specifications:

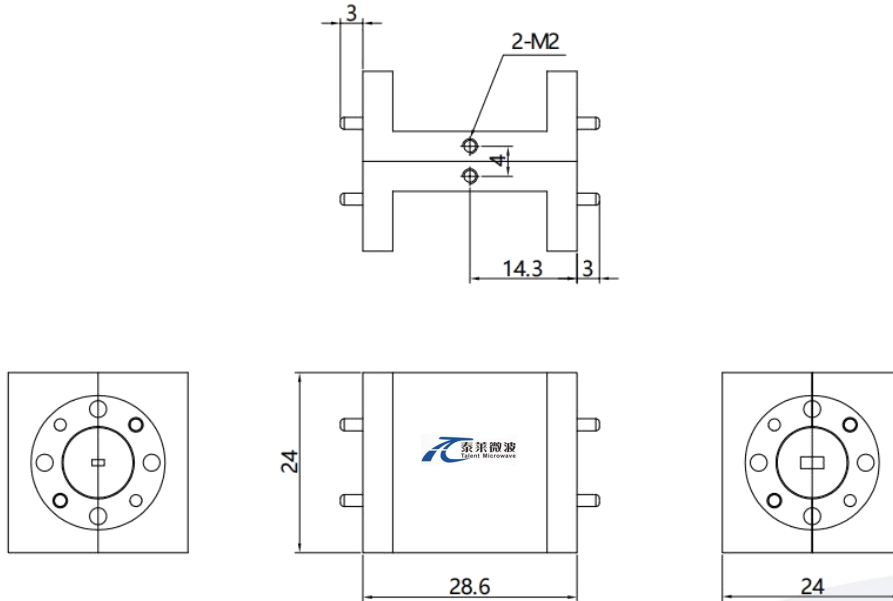
| 参数 Parameter | 指标 Value | 单位 Units |
|-----------------------|----------------|----------|
| 输出接口 Output Connector | WR-6/UG-387/U | |
| 输入接口 Input Connector | WR-12/UG-387/U | |
| 尺寸 Size | 28.6*24*24 | mm |

绝对最大值 Absolute Maximum Ratings:

| 参数 Parameter | 指标 Value |
|------------------------------|----------------------|
| 输入功率 RF Input Power | 22dBm |
| ESD灵敏度 ESD sensitivity (HBm) | Class 0, passed 150V |

外形尺寸 Outline Drawing:

Unit: mm



温度环境 Environmental Conditions:

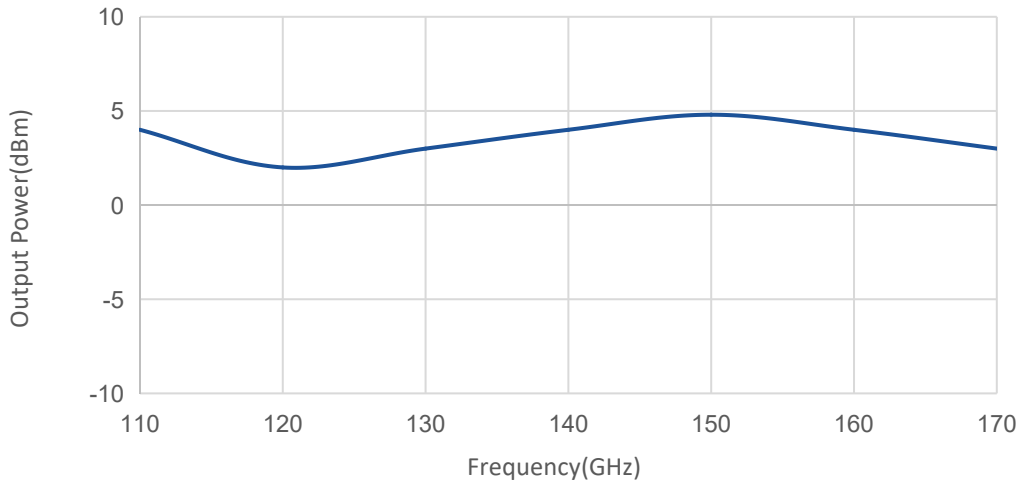
| 参数 Parameter | Min | Typ | Max | 单位 Units |
|------------------------------------|---|-----|-----|----------|
| 操作温度 Operating Temperature | +10 | | +40 | °C |
| 存储温度 Non-operating Temperature | 0 | | +50 | °C |
| 相对湿度 Relative humidity | | 95 | | % |
| 海拔 Altitude | 50,000 | | | feet |
| 震动 Shock / 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-110170-0204-06 | Passive Frequency Tripler X2,110-170GHz, 2dBm Output Power,WR-06 | Rev.1.1 |

典型曲线 Typical Performance Data:

Output Power vs Frequency



Conversion Loss vs Frequency

