

TURHM-220330024003

RF:220-330 GHz,LO:110-165GHz,IF:DC-40 GHz

Feature:

- Low LO Power Requirement
- Subharmonic Mixing
- Compact Package

电气特性 Electrical Specifications:

| 参数Parameter | Min | Typ | Max | 单位Units |
|--------------------------------|-----|-----|-----|---------|
| RF频率 RF Frequency | 220 | | 330 | GHz |
| LO频率 LO Frequency | 110 | | 165 | GHz |
| IF频率 IF Frequency | DC | | 40 | GHz |
| LO 驱动功率 LO-Input power | | 10 | | dBm |
| 射频输入功率 RF Input Power | | -15 | 0 | dBm |
| 2XLO至RF隔离 2XLO to RF Isolation | | -20 | | dBc |
| 单边带变频损耗 SSB Conversion Loss | -15 | -12 | -10 | dB |

机械特性 Mechanical Specifications:

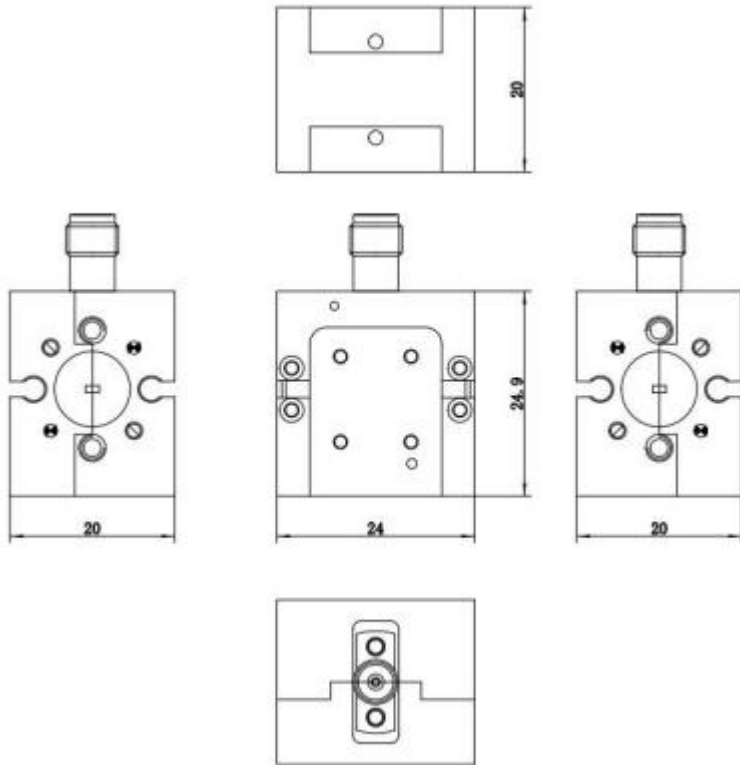
| 参数Parameter | 指标 Value | 单位Units |
|--------------------|---------------|---------|
| RF 接口RF Connector | WR-3/UG-387 | |
| LO 接口LO Connector | WR-6.5/UG-387 | |
| IF 接口 IF Connector | 2.92mm Female | |
| 尺寸 Size | 24*24.9*20 | mm |

绝对最大值 Absolute Maximum Ratings:

| 参数Parameter | 指标 Value |
|----------------------|----------|
| RF 功率 RF Input Power | 0dBm |
| IF功率 IF Input Power | 0dBm |
| LO功率 LO Input Power | 15dBm |

外形尺寸 Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
 ELECTROSTATIC SENSITIVE
 DEVICES

温度环境 Environmental Conditions:

| 参数Parameter | Min | Typ | Max | 单位Units |
|------------------------------------|---|-----|-----|---------|
| 操作温度 Operating Temperature | 0 | | +50 | °C |
| 存储温度 Non-operating Temperature | -25 | | +85 | °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:

典型曲线 Typical Performance Data:

Conversion Loss vs RF Frequency

