

Model: TLHM-110170-10-06
Harmonic Mixer,D-Band
RF:110-170 GHz,LO:11-17GHz,IF:DC-1.5GHz
Feature:

- Low LO Power Requirement
- Subharmonic Mixing
- Compact Package

电气特性 Electrical:

| 参数Parameter | Min. | Typ. | Max. | 单位Units |
|-----------------------------|------|------|------|---------|
| RF频率 RF Frequency | 110 | | 170 | GHz |
| LO频率 LO Frequency | 11 | | 17 | GHz |
| IF频率 IF Frequency | DC | | 1.5 | GHz |
| LO功率 LO Power | 12 | 15 | 18 | dBm |
| 本振谐波次数 Harmonics | | 10 | | dBc |
| 输入功率 Input power | | | 0 | dBm |
| 输入端口驻波 RF VSWR | | 3.0 | | :1 |
| 单边带变频损耗 SSB Conversion Loss | 22 | 26 | 35 | dB |

机械特性 Mechanical :

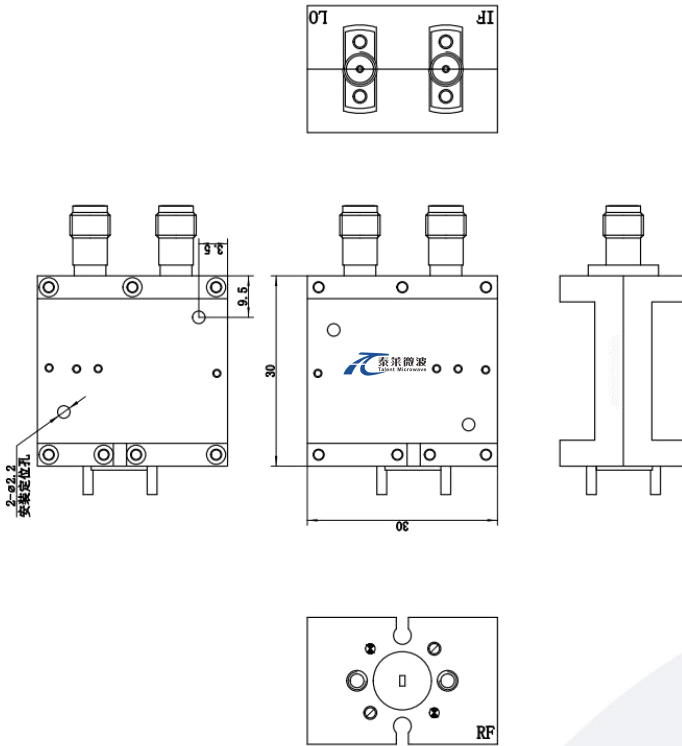
| 参数Parameter | 指标 Value | 单位Units |
|-------------------|----------------|---------|
| RF 接口RF Connector | WR-06/UG-387 | |
| LO接口LO Connector | SMA Female | |
| IF接口 IF Connector | SMA Female | |
| 尺寸 Size | 28*25*20(不含接头) | mm |
| 重量 Weight | 200 | g |

绝对最大值 Absolute Maximum Ratings:

| 参数Parameter | 指标 Value |
|------------------------------|----------------------|
| RF 功率 RF Input Power | TBD |
| LO 功率 LO Input Power | 18 dBm |
| ESD灵敏度 ESD sensitivity (HBm) | Class 0, passed 150V |

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 | | +40 | °C |
| 存储温度 Non-operating Temperature | -25 | | +65 | °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 |
|-------------------|---|-------------|
| TLHM-110170-10-06 | Harmonically Mixer,D-Band RF:110-170GHz,LO:11-17GHz,IF:DC-1.5GHz | Rev.1.1 |