

Active Frequency Multiplier, X3,110-140 GHz, 13 dBm Output Power

Feature:

- Output Frequency:110-140 GHz
- Output Power :13 dBm 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 | | 140 | GHz |
| 输出功率 Output Power | 11.5 | 13 | | dBm |
| 输入频率 Input Frequency | 36.66 | | 46.7 | GHz |
| 输入功率 Input Power | 0 | 1.5 | 3 | dBm |
| 倍频次数 Multiply Factor | | 3 | | Time |
| 供电电压 DC Voltage | | 12 | | V |
| 供电电流 DC Supply Current | | 300 | | mA |

机械特性 Mechanical Specifications:

| 参数 Parameter | 指标 Value | 单位 Units |
|-----------------------|----------------|----------|
| 输出接口 Output Connector | WR-08/UG-387/U | |
| 输入接口 Input Connector | 2.4mm Female | |
| 直流偏置 DC Bias | Solder Pin | |
| 尺寸 Size | 39*26*21 | mm |

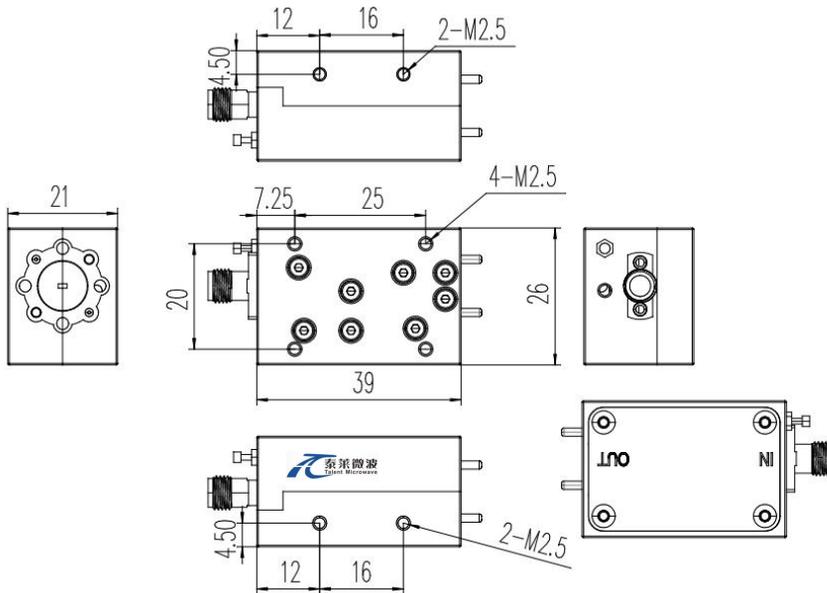
绝对最大值 Absolute Maximum Ratings:

| 参数 Parameter | 指标 Value |
|------------------------------|----------------------|
| 输入功率 RF Input Power | +3 dbm |
| ESD灵敏度 ESD sensitivity (HBm) | Class 0, passed 150V |



Available 220V System
Benchtop Amplifier

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 | -10 | | +65 | °C |
| 存储温度 Non-operating Temperature | -25 | | +75 | °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 |
|---------------------|--|--------------|
| TMAM-110140-0313-08 | Active Multiplier,X3,110-140GHz, Output Power:13 dBm,WR-08/UG-387/U,2.4mm Female | Rev.1.1 |