

Model:TMAM-075110-0612-10
**Active Multiplier, WR-10, W-Band
 75-110GHz, Output Power:12dBm**
Feature:

- Output Frequency: 75-110GHz
- Output Power : 12dBm Typ
- Low power consumption

电气特性 Electrical:

| 参数Parameter | Min. | Typ. | Max. | 单位Units |
|---------------------------|------|------|-------|---------|
| 输出频率 Output Frequency | 75 | | 110 | GHz |
| 输出功率 Output Power | +10 | +12 | | dBm |
| 输入频率 Input Frequency | 12.5 | | 18.33 | GHz |
| 输入功率 Input Power | -2 | +5 | +10 | dBm |
| 倍频次数 Multiply Factor | | 6 | | dB |
| 谐波抑制 Harmonic Suppression | | -20 | | dBc |
| 输入驻波 Input VSWR | | 2.0 | | :1 |
| 输出驻波 Output VSWR | | 2.0 | | :1 |
| 供电电压 DC Voltage | | +12 | | V |
| 供电电流 DC Supply Current | | 150 | | mA |

机械特性 Mechanical :

| 参数Parameter | 指标 Value | 单位Units |
|-----------------------|-----------------|---------|
| 输出接口 Output Connector | WR-10/ UG-387/U | |
| 输入接口 Input Connector | SMA Female | |
| 直流偏置 Bias | Solder Pin | |
| 尺寸 Size | 46×28×24 | mm |

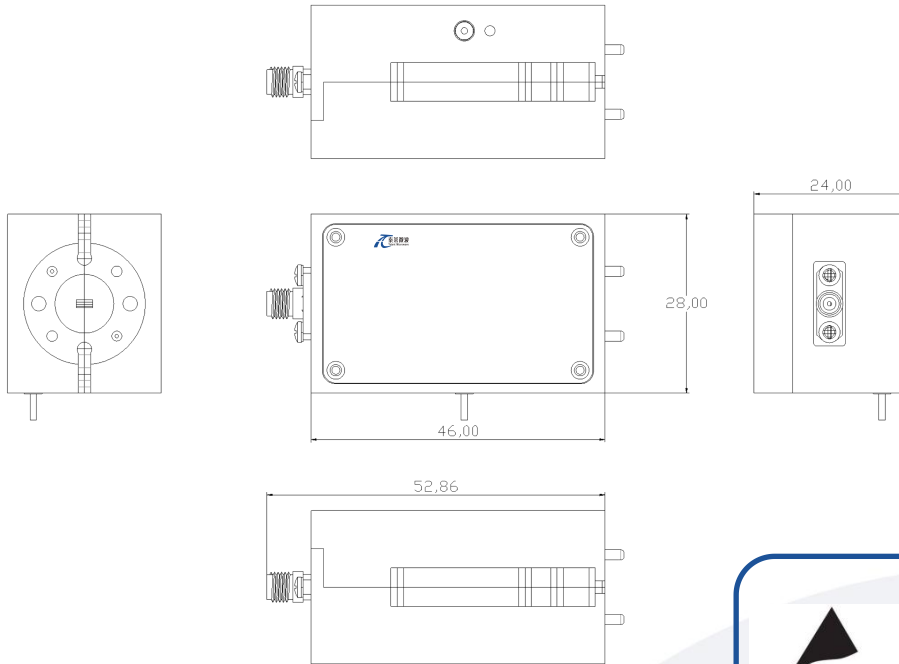
绝对最大值 Absolute Maximum Ratings:

| 参数Parameter | 指标 Value |
|------------------------------|----------------------|
| 供电偏置电压 Supply Bias Voltage | 13V |
| 输入功率 RF INPUT POWER | 10dBm |
| ESD灵敏度 ESD sensitivity (HBm) | Class 0, passed 150V |


 Available 220V System
 Benchtop Amplifier

外形尺寸 Outline Drawing:

Unit: Inches(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 | -55 | | +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 | | | |

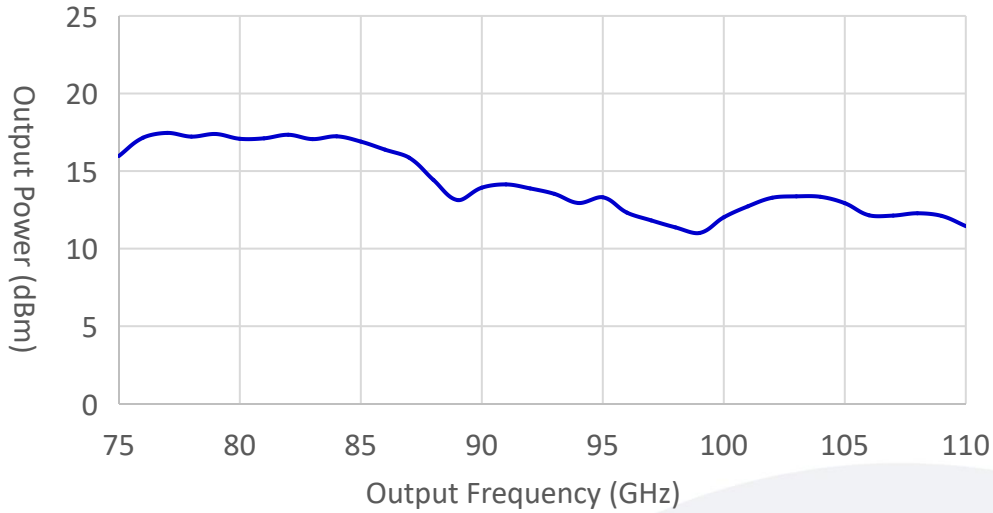
订货信息 Ordering Information:

| 标准型号 Part Number | 描述 Description | 版本号Revision |
|---------------------|---|-------------|
| TMAM-075110-0612-10 | W-Band Active Multiplier, 75-110GHz, Output Power:12dBm, SMA Female, WR10, UG-387/U | Rev.1.1 |

典型曲线 Typical Performance Data:

测试条件: Pin=5 dBm

Output Power(dBm)



Harmonic Suppression

