

Model:TMAM-060090-0612-12
**E-Band Active Multiplier
 X6, 60-90 GHz, +12 dBm Output Power**
Feature:

- Output Frequency:60-90 GHz
- Output Power : 12dBm 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 | 60 | | 90 | GHz |
| 输出功率 Output Power | | 12 | | dBm |
| 输入频率 Input Frequency | 9.16 | | 15 | GHz |
| 输入功率 Input Power | 3 | 5 | 7 | dBm |
| 谐波抑制 Harmonics Suppression | | 25 | | dBc |
| 倍频次数 Multiply Factor | | 6 | | |
| 供电电压 DC Voltage | | 12 | | V |
| 供电电流DC Supply Current | | 100 | | mA |

机械特性 Mechanical Specifications:

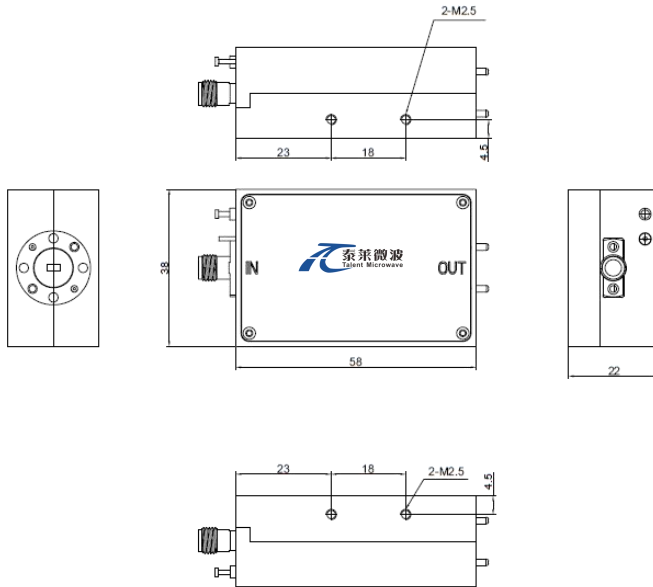
| 参数 Parameter | 指标 Value | 单位 Units |
|----------------------|----------------|----------|
| 输出接口Output Connector | WR-12/UG-387/U | |
| 输入接口Input Connector | SMA Female | |
| 直流偏置 Bias | Solder Pin | |
| 尺寸 Size | 58*38*22 | mm |

绝对最大值 Absolute Maximum Ratings:

| 参数 Parameter | 指标 Value |
|------------------------------|----------------------|
| 供电偏置电压 Supply Bias Voltage | 12 V |
| 输入功率 RF Input Power | +10 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:

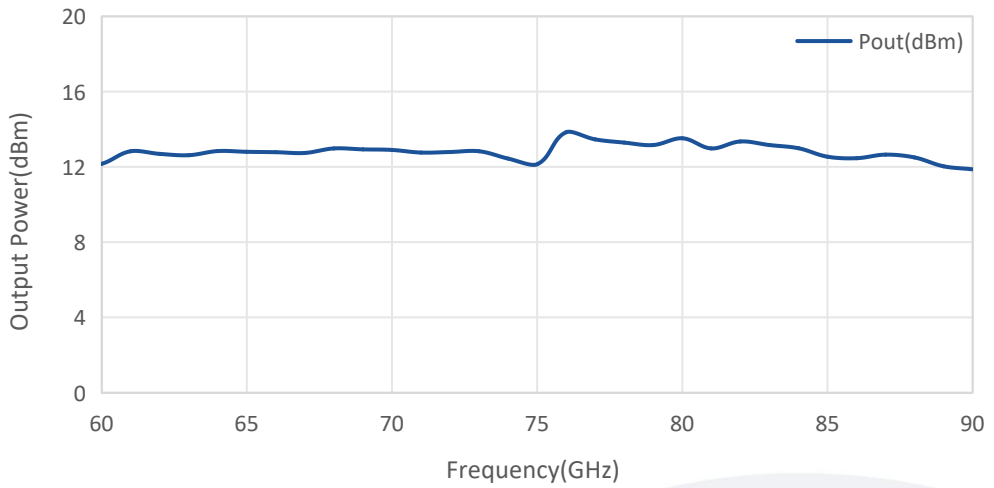
| 参数 Parameter | Min | Typ | Max | 单位 Units |
|------------------------------------|---|--------|-----|----------|
| 操作温度 Operating Temperature | -10 | | +65 | °C |
| 存储温度 Non-operating Temperature | -25 | | +75 | °C |
| 相对湿度 Relative humidity | | 95 | | % |
| 海拔 Altitude | | 50,000 | | feet |
| 震动 Shock / 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-060090-0612-12 | Active Multiplier,X6,60-90GHz, Output Power:12dBm,WR-12/UG-387/U,SMA Female | Rev.2.0 |

典型曲线 Typical Performance Data:

Output Power vs Frequency



Harmonic Suppression vs Frequency

