

## Model:TMAM-071076-0625-12

## Active Frequency Multiplier, X6,71-76GHz, 25dBm Output Power

### Feature:

- Output Frequency:71-76GHz
- Output Power :25 dBm Typ
- Low power consumption

### Electrical Specifications:

| Parameter         | Min    | Typ  | Max    | Units |
|-------------------|--------|------|--------|-------|
| Output Frequency  | 71     |      | 76     | GHz   |
| Output Power      | 23     | 25   |        | dBm   |
| Input Frequency   | 11.833 |      | 12.667 | GHz   |
| Input Power       | 0      | 3    | 5      | dBm   |
| Multiply Factor   |        | 6    |        | Time  |
| DC Voltage        | 5.5    |      |        | V     |
| DC Supply Current |        | 1450 |        | mA    |

### Mechanical Specifications:

| Parameter        | Value   | Units |
|------------------|---|-------|
| Output Connector | WR-12/UG-387/U  |       |
| Input Connector  | SMA Female  |       |
| DC Bias          | Solder Pin  |       |
| Size             | 54*35*20(Without Heatsink)<br>54*70*60(With Heatsink) | mm    |

### Absolute Maximum Ratings:

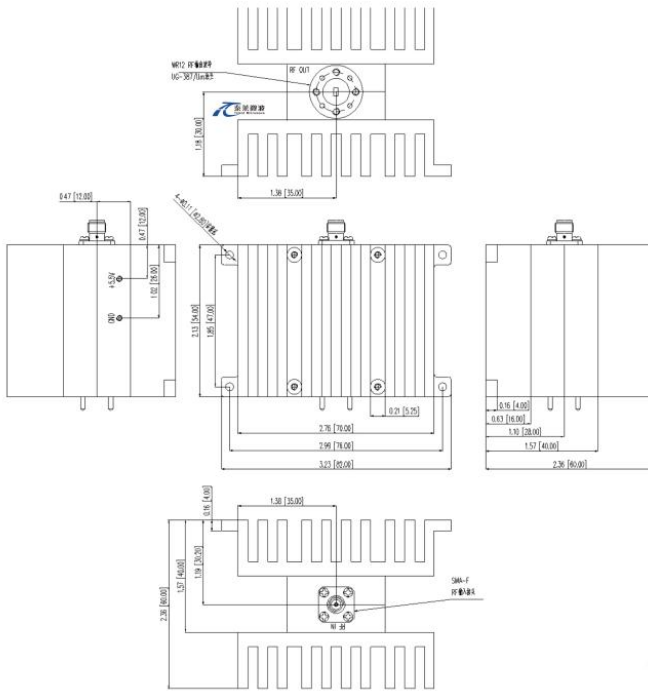
| Parameter             | Value                |
|-----------------------|----------------------|
| Supply Bias Voltage   | 5.5V                 |
| RF Input Power        | 5dBm                 |
| ESD sensitivity (HBm) | Class 0, passed 150V |



Available 220V System  
Benchtop Amplifier

**Outline Drawing:**

Unit: mm



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

**Environmental Conditions:**

| Parameter                       | Min   | Typ    | Max | Units |
|---------------------------------|---|--------|-----|-------|
| Operating Temperature           | -10   |        | +65 | °C    |
| Non-operating Temperature       | -45   |        | +85 | °C    |
| Relative humidity               |   | 95     |     | %     |
| Altitude                        |   | 50,000 |     | feet  |
| Shock / Vibration(MIL-STD-810F) | 25g rms (15 degree 2KHz) endurance, 1 hour per axis |        |     |       |
| Shock(non operating)            | 20G for 11msc half sin wave,3 axis both directions  |        |     |       |

**Ordering Information:**

| Part Number         | Description   | Revision |
|---------------------|---|----------|
| TMAM-071076-0625-12 | Active Multiplier,X6,71-76GHz, Output Power:25dBm,WR-12/UG-387/U,SMA Female | Rev.1.1  |