

## **D-Band Level Setting Attenuator**

### **Description:**

**Model STA-30-06-M2** is a D band level setting attenuator that covers the frequency range of 110 to 170 GHz. The attenuator has a micrometer dial which allows for repeatable settings. The level setting attenuator is an ideal piece of equipment in waveguide systems where broadband level setting is required. The attenuator exhibits 1.5 dB nominal insertion loss and up to 30 dB nominal attenuation.



#### **Features:**

- Full Band Coverage
- Low Cost
- Convenient Level Setting

# Applications:

- Test Lab
- Instrumentations
- Manual Test Set

## **Electrical Specifications:**

| Parameter                 | Minimum | Typical | Maximum    |
|---------------------------|---------|---------|------------|
| Frequency                 | 110 GHz |         | 170 GHz    |
| Insertion Loss            |         | 1.5 dB  |            |
| Attenuation Range         |         | 30 dB   |            |
| Return Loss               |         | 16 dB   |            |
| Power Handling            |         |         | 0.3 W (CW) |
| Specification Temperature |         | +25 °C  |            |
| Operating Temperature     | 40 °C   |         | +85 °C     |

## **Mechanical Specifications:**

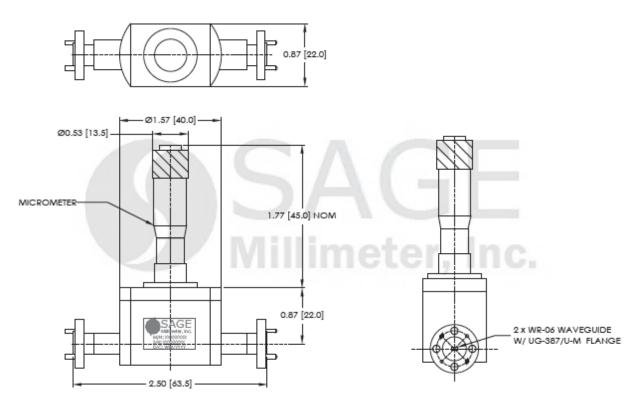
| Item             | Specification                          |  |
|------------------|--|--|
| RF Input         | WR-06 Waveguide with UG-387/U-M Flange |  |
| RF Output        | WR-06 Waveguide with UG-387/U-M Flange |  |
| Setting          | Micrometer Head                        |  |
| Finish           | Gold Plated Waveguides                 |  |
| Weight           | 4.0 Oz                                 |  |
| Insertion Length | 2.50"                                  |  |
| Outline          | TA-MD-BX1                              |  |



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Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



#### Note:

SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

#### **Caution:**

- Exceeding absolute maximum ratings shown will damage the device.
- Any foreign objects in the waveguide will cause performance degradation and may damage the device.

RoHS

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