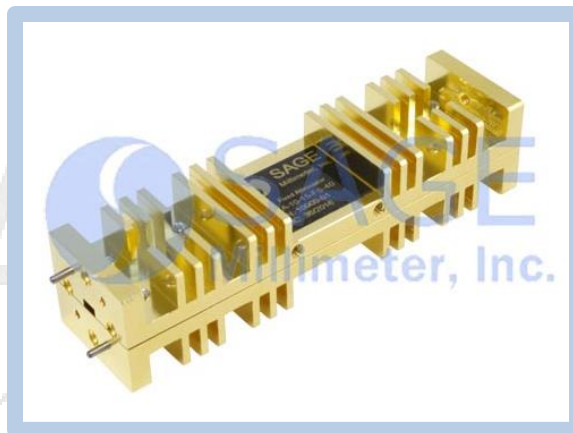


## V-Band Fixed Attenuator, 40 dB, 10 Watts

### Description:

**Model STA-40-15-FS-40** is a 10 watt fixed attenuator that is used in millimeterwave systems and operates from 50 to 75 GHz. The attenuator has a nominal fixed attenuation value of 40 dB across the entire V band. The attenuator is uniquely designed and fabricated for full waveguide band applications and displays an extremely flat frequency response across the full bandwidth. Various attenuation values are available under different model numbers.



### Features:

- Full Band Coverage
- Low Cost

### Applications:

- Test Lab
- Instrumentations
- System Integration

### Electrical Specifications:

| Parameter                 | Minimum | Typical | Maximum |
|---------------------------|---------|---------|---------|
| RF Frequency Range        | 50 GHz  |         | 75 GHz  |
| Attenuation               |         | 40 dB   |         |
| VSWR                      |         | 1.2:1   | 1.3:1   |
| Power Handling            |         | 10 W    | 12 W    |
| Specification Temperature |         | +25°C   |         |
| Operating Temperature     | -40°C   |         | +85°C   |

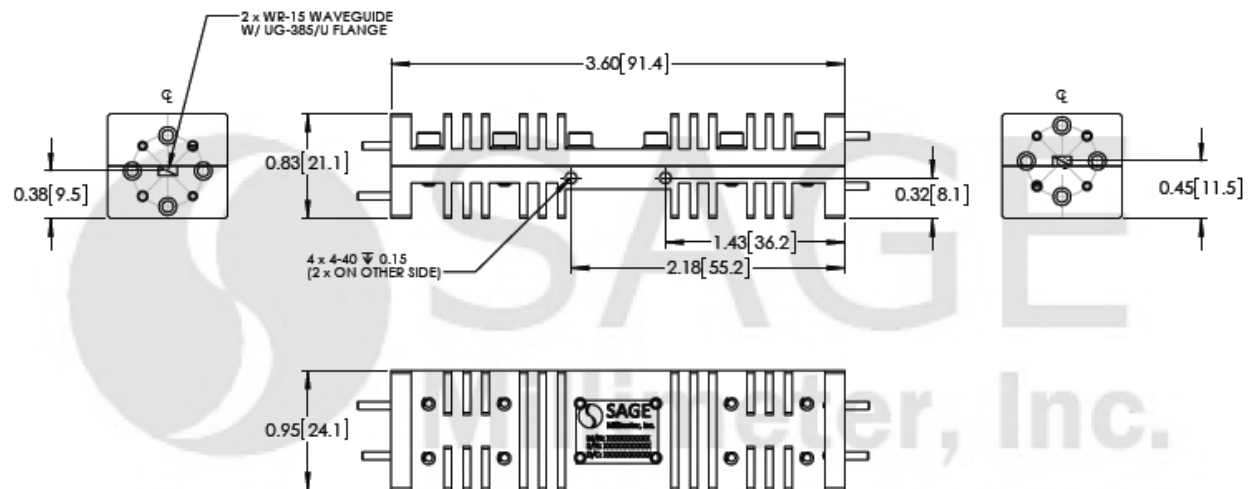
### Mechanical Specifications:

| Item             | Specification                        |
|------------------|--------------------------------------|
| RF Input         | WR-15 Waveguide with UG-385/U Flange |
| RF Output        | WR-15 Waveguide with UG-385/U Flange |
| Setting          | Fixed                                |
| Insertion Length | 3.60"                                |
| Finish           | Gold Plated                          |
| Weight           | 2.2 Oz                               |
| Outline          | TA-FV-40                             |



## V-Band Fixed Attenuator, 40 dB, 10 Watts

**Mechanical Outline:** (Unless otherwise specified, all dimensions are in inches)



**Note:**

- All data was presented using a limited sample lot. Actual data may vary unit to unit.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

**Caution:**

- RF power should never exceed 12 W.
- Any foreign objects in the waveguide will cause performance degradation and may damage the device.

