



Ka-Band Waveguide Termination Load, 28 Watts

Description:

Model SWL-2846-S1 is a high power, Ka-Band termination load that covers the frequency range of 26.5 to 40 GHz. The termination load exhibits a typical VSWR of 1.25:1. It is designed and manufactured to offer a good match for system applications. Custom levels of power handling are available under different model numbers.



Features:

- Full Waveguide Band Coverage
- Low VSWR
- Instrumentation Grade

Applications:

- Test Lab
- Instrumentations
- Sub-assemblies

Electrical Specifications:

| Parameter | Minimum | Typical | Maximum |
|---------------------------|----------|-----------|-----------|
| Frequency | 26.5 GHz | | 40.0 GHz |
| VSWR | | 1.25:1 | |
| Power Handling | | 28 W (CW) | 30 W (CW) |
| Specification Temperature | | +25°C | |
| Operating Temperature | -40°C | | +85°C |

Mechanical Specifications:

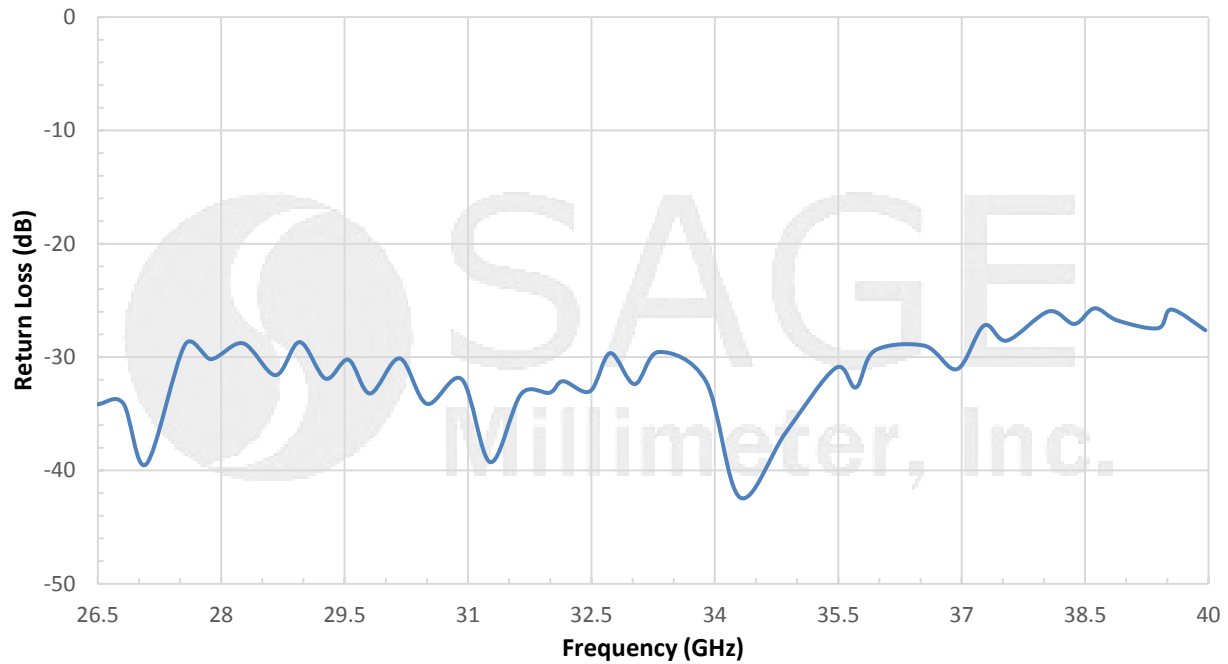
| Item | Specification |
|--------------------|-----------------------------------|
| Waveguide | WR-28 Waveguide |
| Flange | UG-599/U Flange |
| Size | 4.13" (L) x 1.65" (H) x 1.65" (W) |
| Waveguide Material | Alloyed Copper |
| Waveguide Finish | Silver Plated |
| Heat Sink Finish | Anticorrosion Black Paint |
| Weight | 11.5 Oz |
| Outline | WL-AH-030 |



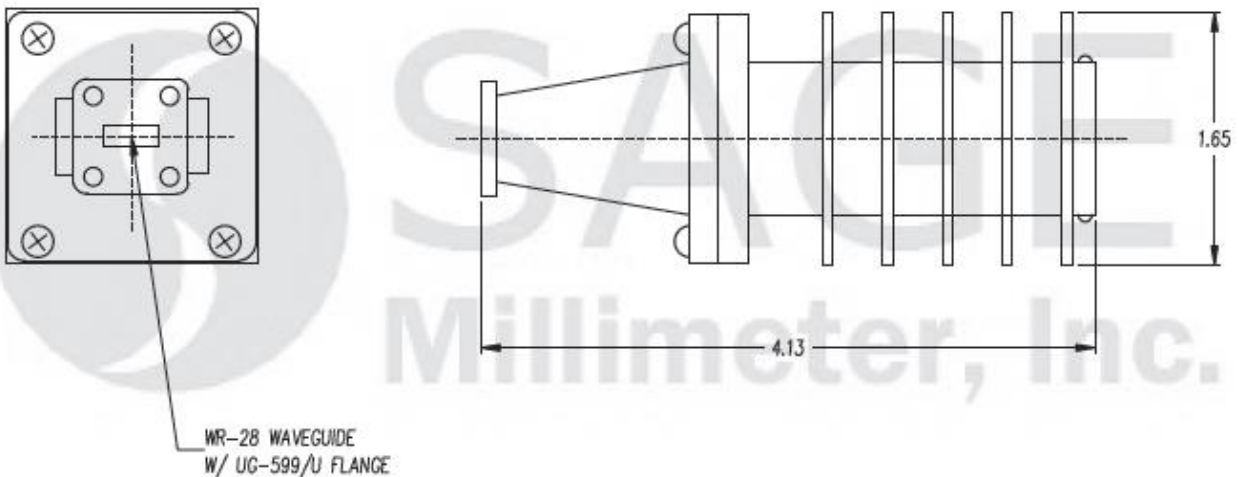


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Typical Return Loss vs. Frequency



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



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 possible device damage.

