

Q-Band Waveguide Termination Load, 40 Watts

Description:

Model SWL-2246-S1 is a medium power, Q-Band termination load that covers the frequency range of 33 to 50 GHz. The termination load exhibits a typical return loss of 32 dB and handles the power up to 45 Watts CW. It is designed and manufactured to offer a good match for test lab and system integrations. Custom levels of power handling are available under different model numbers.



Features:

- Full Waveguide Band Coverage
- High Return Loss
- Instrumentation Grade

Applications:

- 5G Systems
- Test Lab
- Instrumentations
- Sub-assemblies

Electrical Specifications:

| Parameter | Minimum | Typical | Maximum |
|---------------------------|---------|-----------|-----------|
| Frequency | 33 GHz | | 50 GHz |
| Return Loss | | 32 dB | |
| Power Handling | | 40 W (CW) | 45 W (CW) |
| Specification Temperature | | +25 °C | |
| Operating Temperature | -40 °C | | +85 °C |

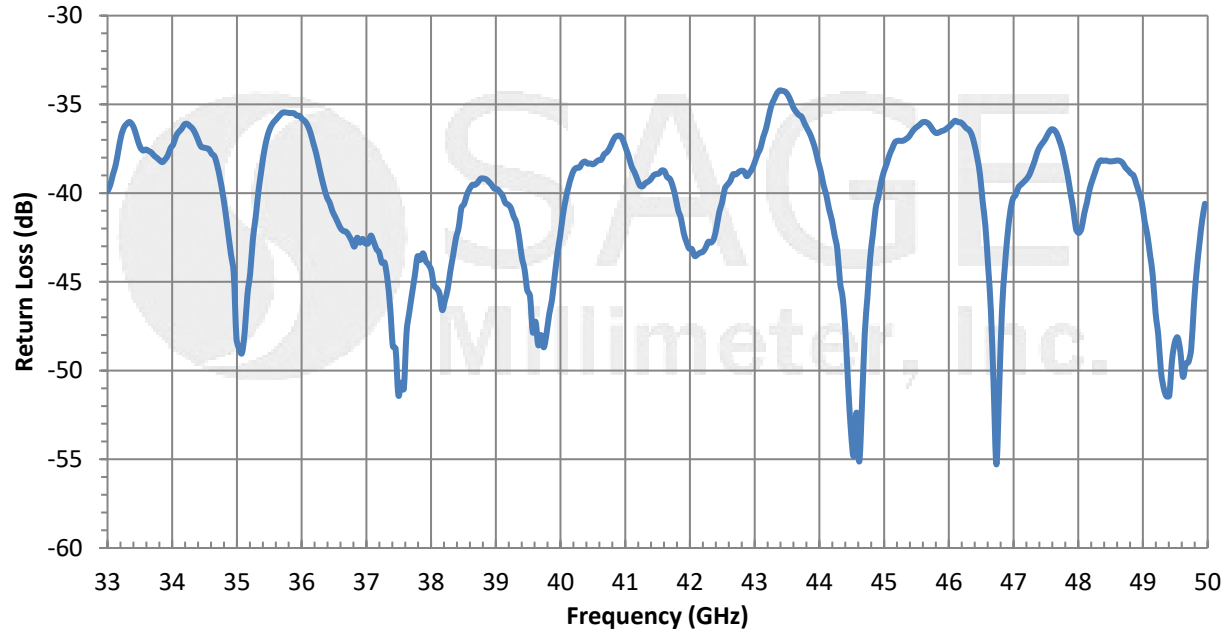
Mechanical Specifications:

| Item | Specification |
|--------------------|-----------------------------------|
| Waveguide | WR-22 Waveguide |
| Flange | UG-383/U Flange |
| Waveguide Material | Brass |
| Waveguide Finish | Gold Plated |
| Heatsink Material | Aluminum |
| Heat Sink Finish | Black Anodized |
| Weight | 3.5 Oz |
| Size | 2.95" (L) x 1.18" (W) x 1.18" (H) |
| Outline | WL-QHM-BX1 |

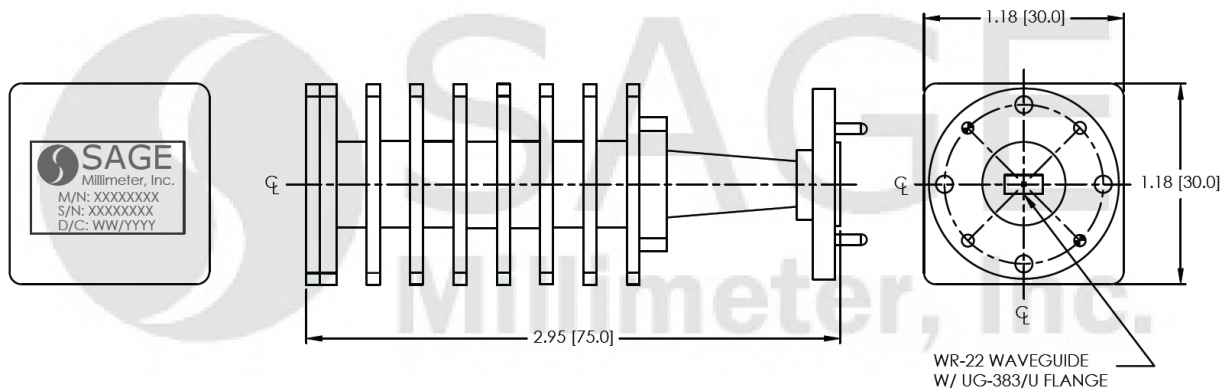


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Typical Return Loss vs. Frequency



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



Note:

- All data presented is collected from a sample lot. Actual data may vary unit to unit, slightly.
- All testing was performed under +25°C case temperature.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- Any foreign objects in the waveguide will degrade performance and/or damage the device.

