

## V-Band Waveguide Termination Load, 0.5 Watts

### Description:

**Model SWL-1527-S1** is a low power, V-Band termination load that covers the frequency range of 50 to 75 GHz. The termination load exhibits a typical VSWR of 1.05:1. 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	50 GHz		75 GHz
VSWR		1.05:1	
Power Handling		0.5 W (CW)	2 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

### Mechanical Specifications:

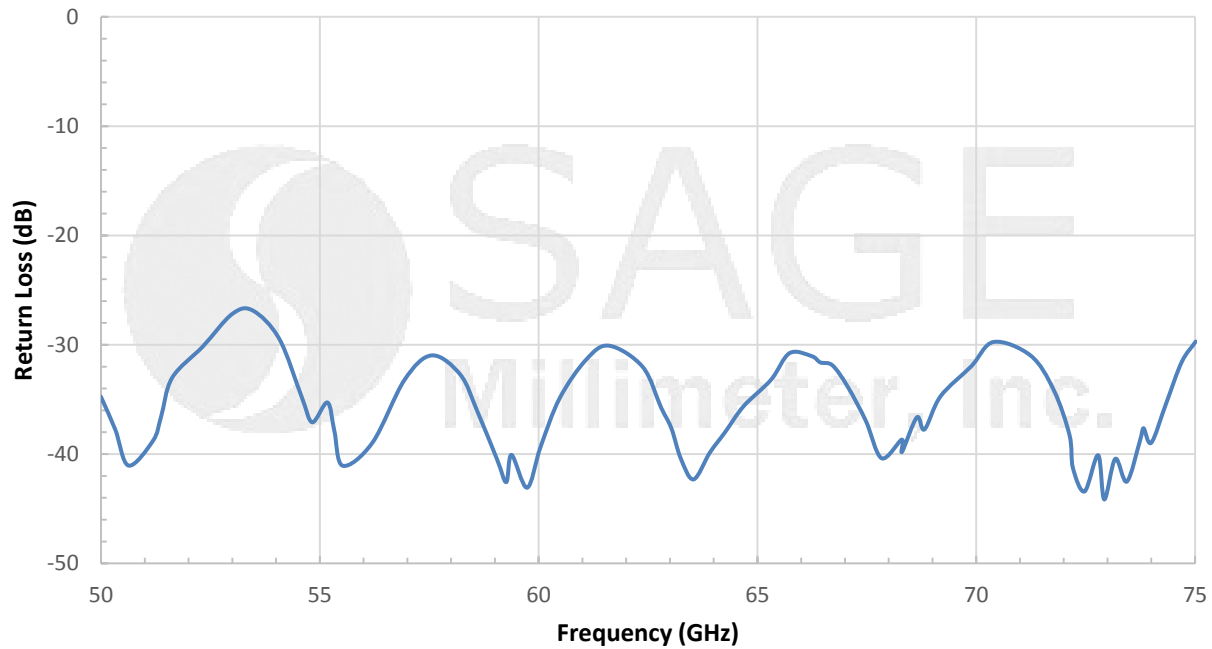
Item	Specification
Waveguide	WR-15 Waveguide
Flange	UG-385/U Flange
Size	1.50" (L) x 0.75" (Ø)
Waveguide Material	Brass
Finish	Gold Plated
Weight	0.8 Oz
Outline	WL-VL



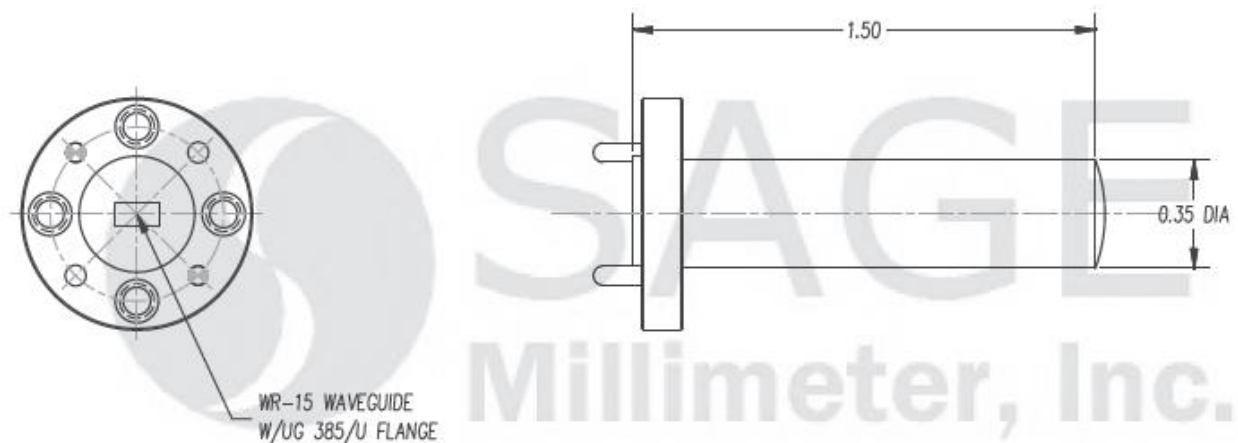


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### Typical Return Loss vs. Frequency



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



**Note:**

- All data are presented using a limited sample lot. Actual data may vary unit to unit.
- 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.

