

## Q-Band Waveguide Termination Load, 1 Watts

### Description:

**Model SWL-2230-S1-599** is a low power, Q-Band termination load that covers the frequency range of 33 to 50 GHz. The termination load exhibits a typical return loss of 34 dB. It is designed and manufactured to offer a good match for test lab and system applications. Custom levels of power handling are available under different model numbers.



### Features:

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

### Applications:

- Test Lab
- Instrumentations
- Sub-assemblies

### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	33 GHz		50 GHz
Return Loss		34 dB	
Power Handling		1 W (CW)	2 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

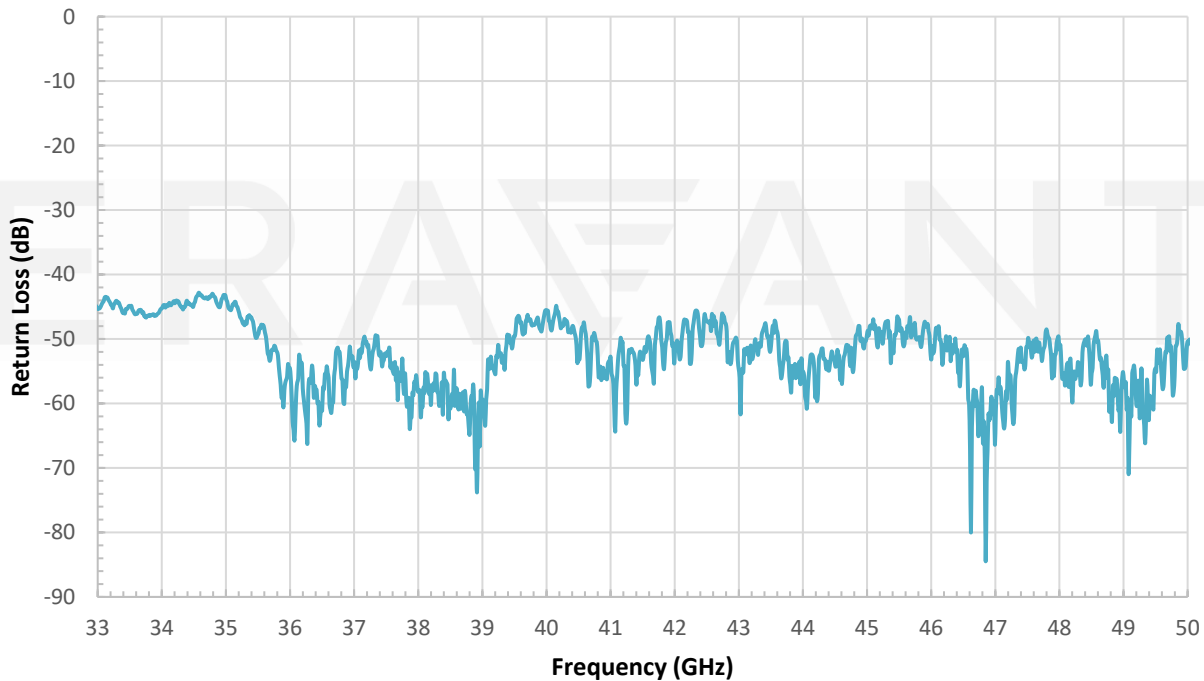
### Mechanical Specifications:

Item	Specification
RF Ports	WR-22 Waveguide with UG-599/U-M flange
Waveguide Material	Brass
Finish	Gold Plated
Weight	1.4 Oz
Outline	WL-QL-599

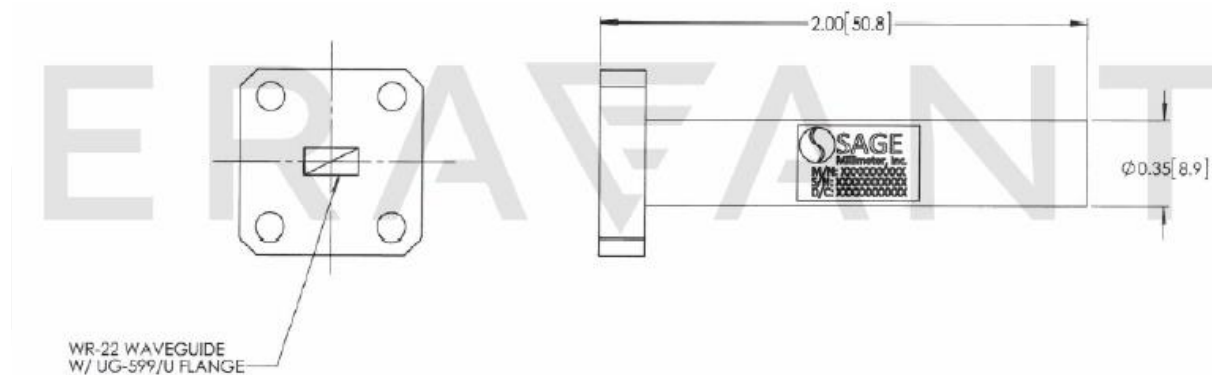


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### Typical Return Loss vs. Frequency



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



#### 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.
- Eravant 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.

