

## SWL-1930-S1

### U-Band Waveguide Termination Load, 1.0 Watts

**SWL-1930-S1** is a low power, U-Band termination load that covers the frequency range of 40 to 60 GHz. The termination load exhibits a typical return loss of 32 dB. It is designed and manufactured to offer a good match for system applications. Custom levels of power handling are available under different model numbers.



#### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	40 GHz		60 GHz
Return Loss		32 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-19 Waveguide with UG-383/U-M Anti-Cocking Flange
Waveguide Material	Brass
Finish	Gold Plated
Weight	1.3 Oz
Outline	WL-UL-A

#### ECCN

EAR99

#### FEATURES

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

#### APPLICATIONS

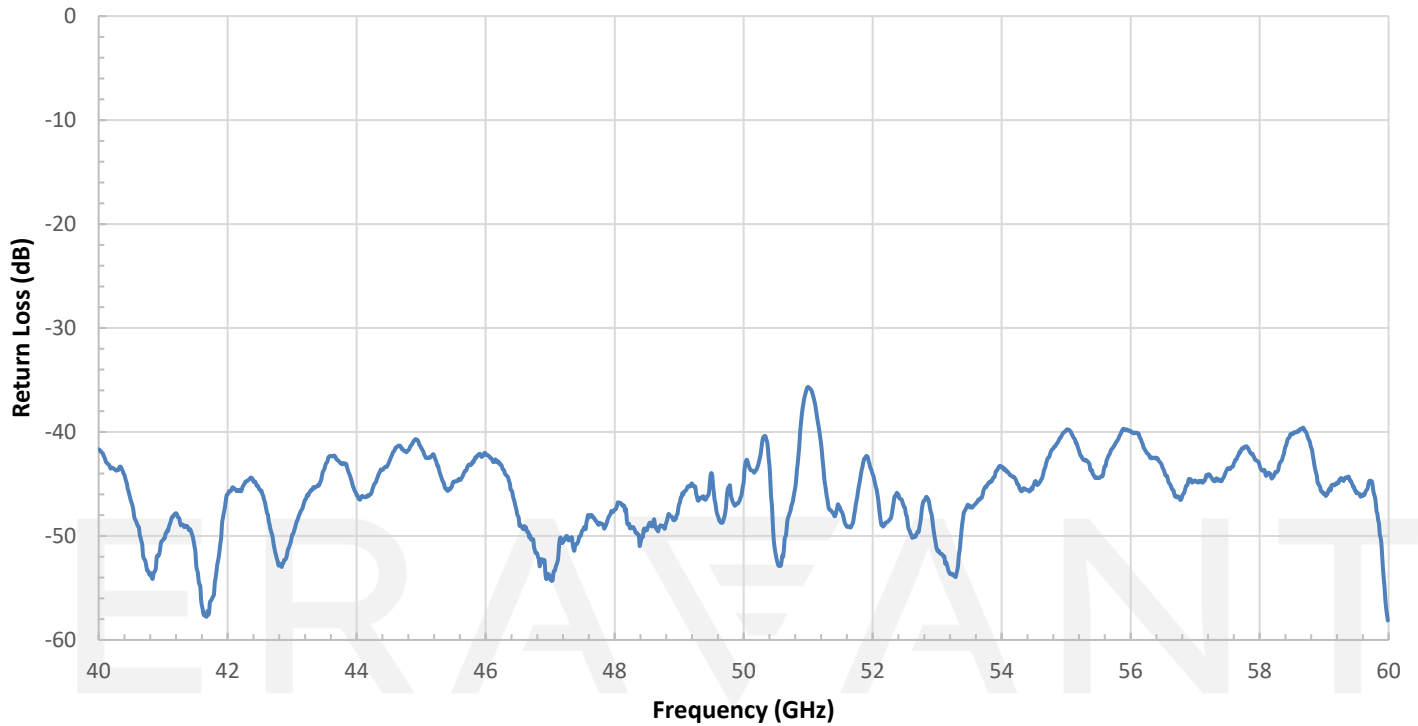
- Test Lab
- Instrumentations
- Sub-assemblies

#### SUPPLEMENTAL DETAILS

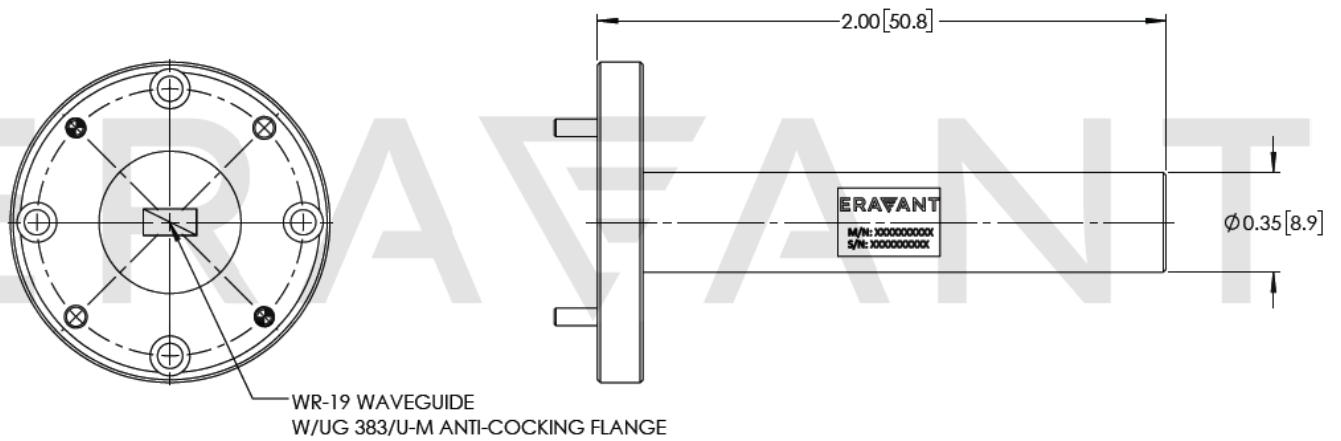


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### Typical Return Loss vs. Frequency



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



**NOTE:**

- On condition that test data is provided it is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- Eravant reserves the right to change the information presented without notice.

**CAUTION:**

- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.
- For 1.35 mm, 1.85 mm, 2.4 mm, 2.92 mm, and SMA connectors proper torque should be applied:  $8.0 \pm 0.15$  inch-pounds ( $0.90 \pm 0.02$  Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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