

## SWL-1237-S1

### E-Band Waveguide Termination Load, 5 Watts

**SWL-1237-S1** is a medium power, E-Band termination load that covers the frequency range of 60 to 90 GHz. The termination load exhibits a typical return loss of 30 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	60 GHz		90 GHz
Return Loss		30 dB	
Power Handling		5 W (CW)	6 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

#### Mechanical Specifications:

Item	Specification
Waveguide	WR-12 Waveguide with UG-387/U Anti-Cocking Flange
Waveguide Material	Brass
Finish	Gold Plated
Weight	2.0 Oz
Outline	WL-EM-A

#### ECCN

EAR99

#### FEATURES

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

#### APPLICATIONS

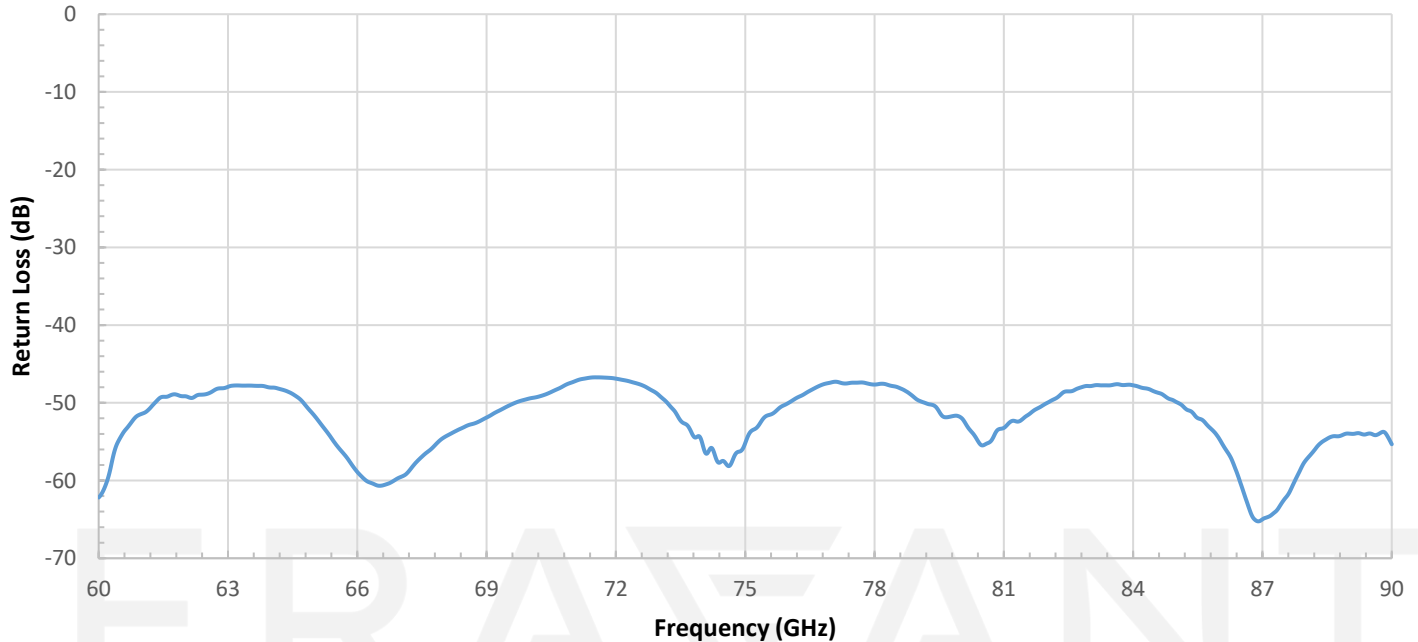
- Test Lab
- Instrumentations
- Sub-assemblies

#### SUPPLEMENTAL DETAILS

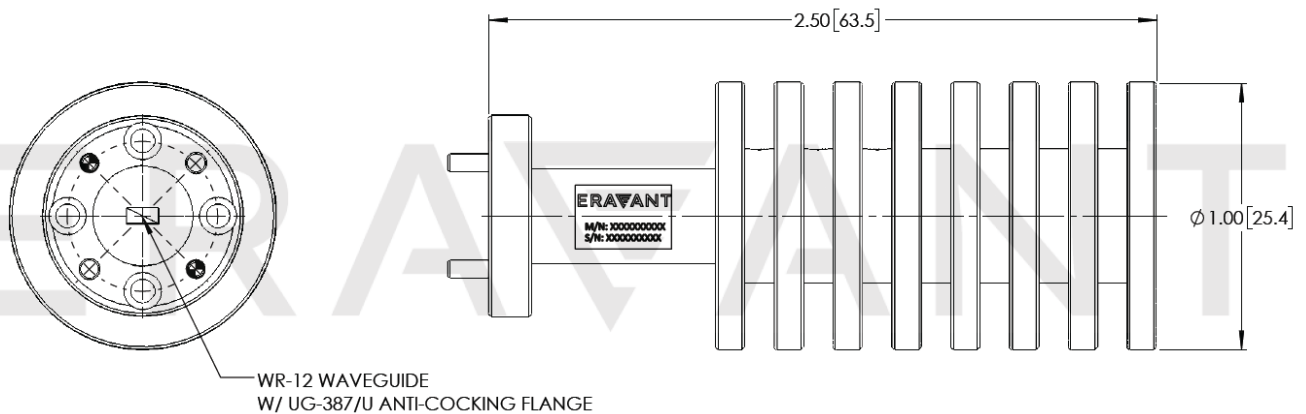


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### Typical Return Loss vs. Frequency



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



#### NOTE:

- Return loss data presented was measured under low power conditions (0 dBm). Actual return loss under high power conditions will be worse than what is shown on the plot.
- 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:

- Exceeding absolute maximum ratings shown will damage the device.
- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.