

## Ka-Band Waveguide Termination Load, 1000 Watts

### Description:

**Model SWL-2860-S1** is a high power, Ka-Band termination that covers the frequency range of 26.5 to 40 GHz. The termination load exhibits a typical return loss of 19 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.



### Features:

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

### Applications:

- Test Lab
- Instrumentations
- Sub-assemblies

### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	26.5 GHz		40.0 GHz
Return Loss		19 dB	
CW Power Handling		900 W	1000 W
Pulse Power Handling*		1800 W	
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

\*Duty cycle up to 40%

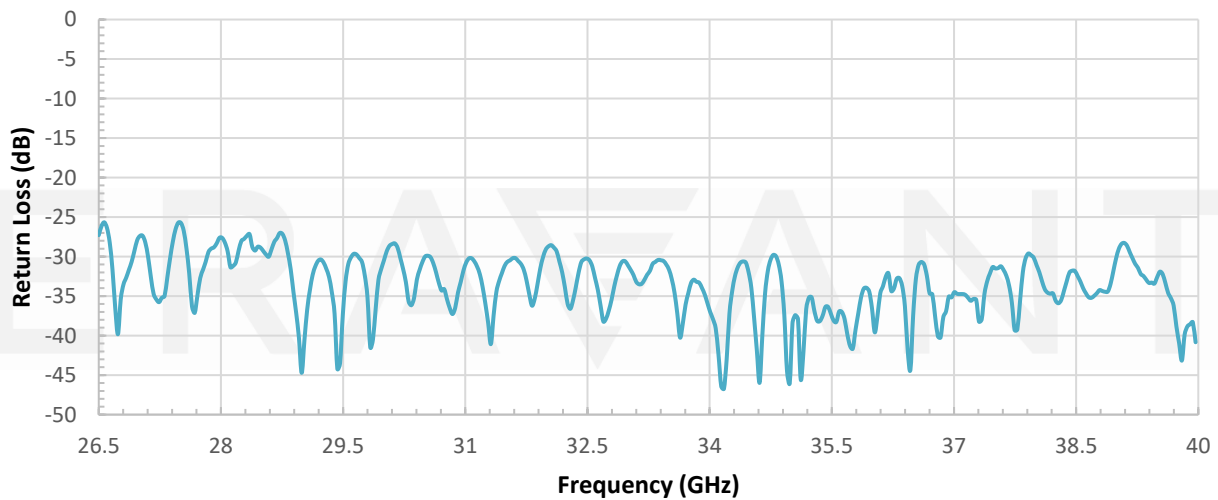
### Mechanical Specifications:

Item	Specification
RF Ports	WR-28 Waveguide with UG-599/U Flange
Waveguide Material	Alloyed Copper
Waveguide Finish	Silver Plated
Heat Sink Finish	Anticorrosion Black Paint
Weight	20 lbs.
Outline	WL-AH-1000

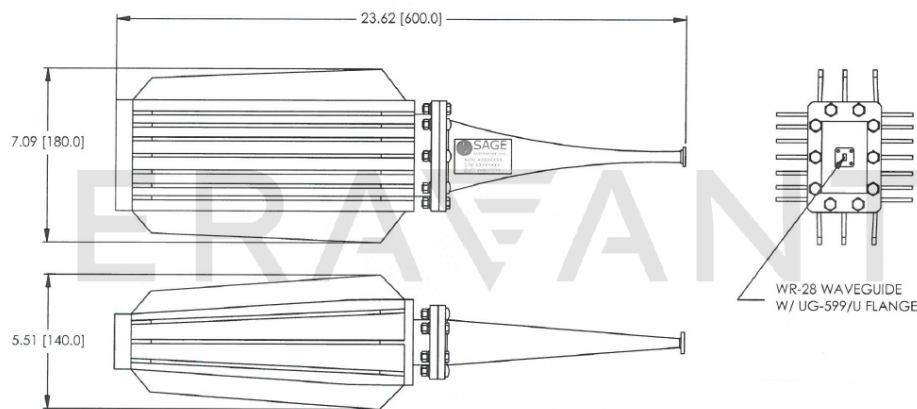


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### Typical Return Loss vs. Frequency



**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.
- 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.



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