SWL-4254-S8

Rev 1.0

K-Band Waveguide Termination Load, 250 Watts

Description:

Model SWL-4254-S8 is a high power, K-Band termination load that covers the frequency range of 18 to 26.5 GHz. The termination load exhibits a typical return loss of 22 dB and 250 Watts power handling capacity. It is designed and manufactured to offer a good match for high power test lab and system applications. Custom levels of power handling are offered 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	18 GHz		26.5 GHz
Return Loss		22 dB	
Power Handling			250 W (CW)
Specification Temperature		+25 ˚C	
Operating Temperature	-40 ˚C		+85 ˚C

Mechanical Specifications:

Item	Specification
RF Port	WR-42 Waveguide with UG-595/U Flanges
Waveguide Material	Brass
Waveguide Finish	Gold Plated
Heat Sink Material	Aluminum
Heat Sink Finish	Black Anodized
Weight	1.6 lbs.
Outline	WL-KH-250-SX1

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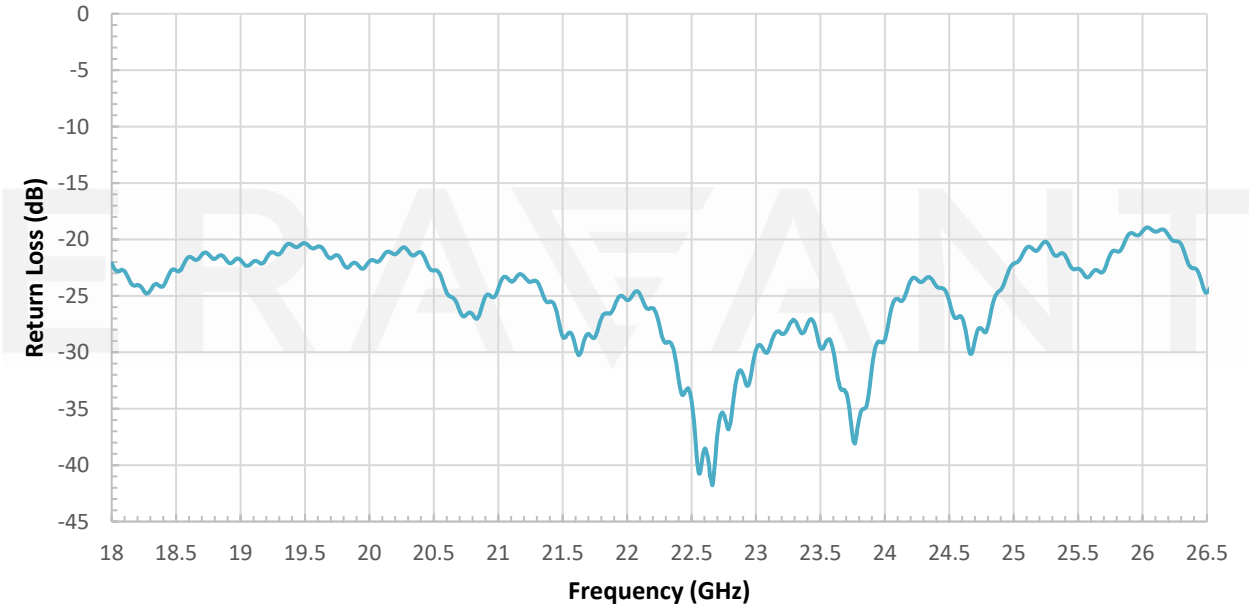
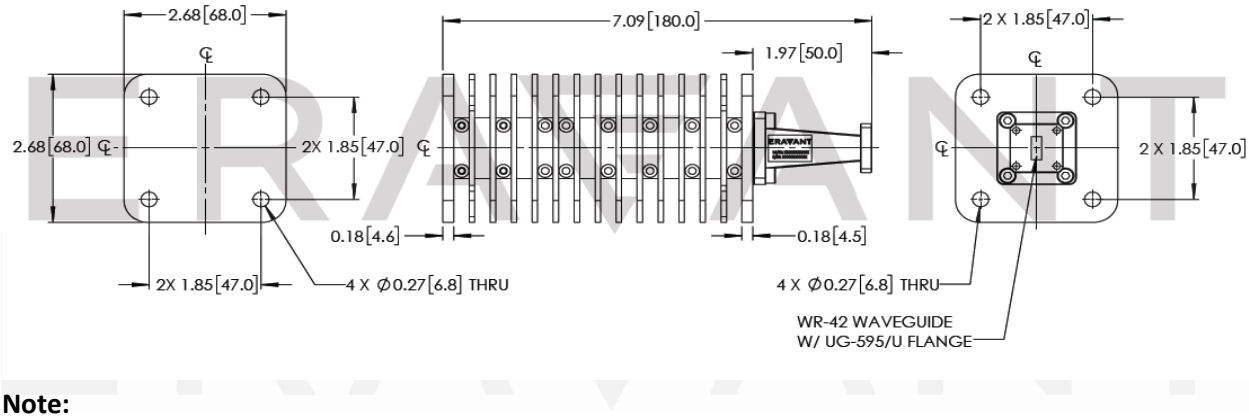
Typical Return Loss vs. Frequency



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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