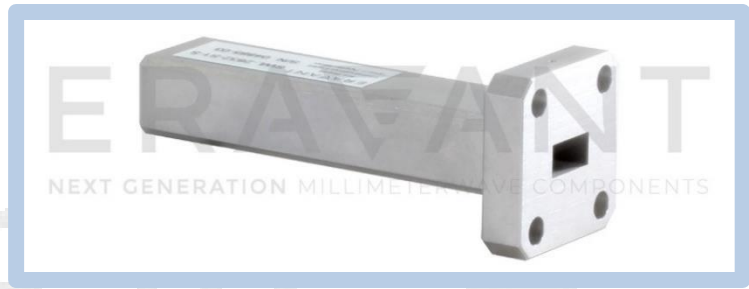




Ka-Band Waveguide Termination Load, 1.5 Watts, Space Qualified

Description:

Model SWL-2832-S1-S is a low power, Ka-Band termination load that covers the frequency range of 26.5 to 40 GHz. The termination load exhibits a typical return loss of 34 dB or better. It is designed and manufactured to offer a good match for system applications. The termination load uses only low outgassing materials and adhesives in its construction. Venting holes are included on the flange. The commercial grade version is offered under model **SWL-2832-S1**. Custom levels of power handling are available under different model numbers.



Features:

- Space Qualified
- Full Waveguide Band Coverage
- Low VSWR
- Instrumentation Grade

Applications:

- Space Application
- Test Lab
- Instrumentations
- Sub-assemblies

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	26.5 GHz		40.0 GHz
Return Loss		34 dB	
Power Handling		1.5 W (CW)	2.0 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

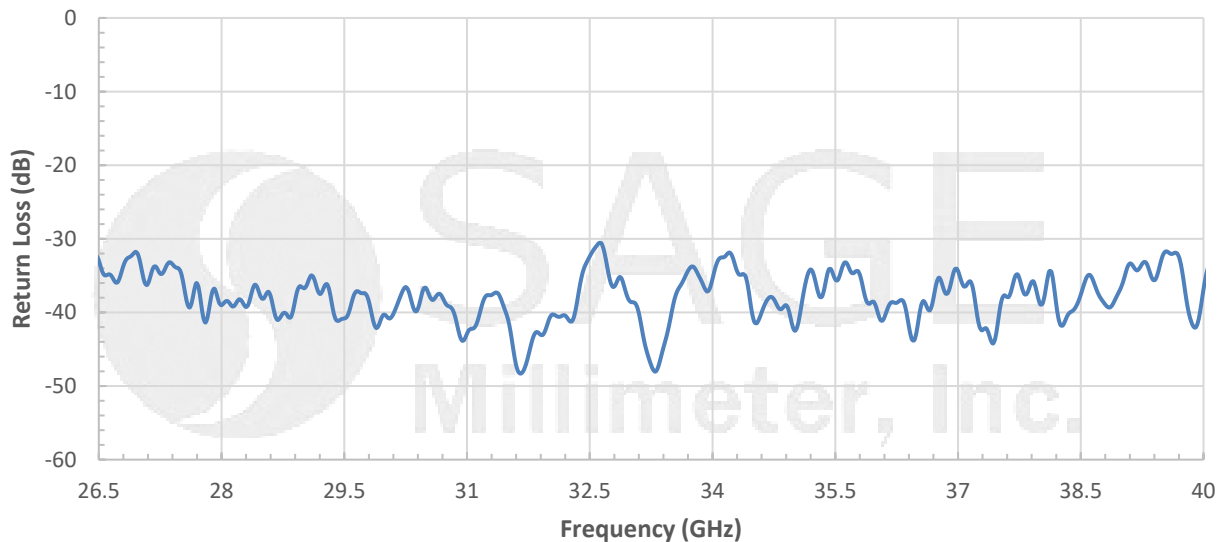
Item	Specification
Waveguide Port	WR-28 Waveguide with UG-599/U Flange
Length	2.00"
Body Material	Aluminum 6061-T6
Finish	None
Weight	0.8 oz.
Outline	WL-AL-NP-S



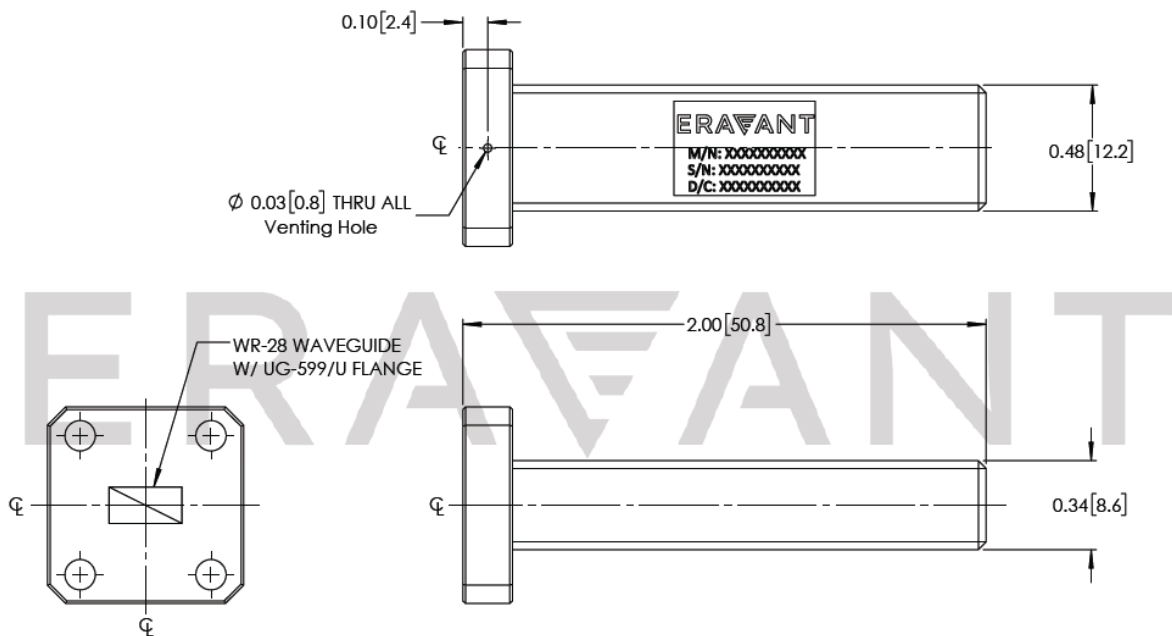


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Typical Return Loss vs Frequency



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



Note:

- All data presented is collected from a sample lot. Actual data may vary unit to unit, slightly.
- All testing was performed under +25 °C case temperature.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- Any foreign objects in the waveguide will cause performance degradation and possible device damage.

