

F-Band Waveguide Termination Load, 5 Watts

Description:

Model SWL-0837-S1 is a medium power, F-Band termination load that covers the frequency range of 90 to 140 GHz. The termination load exhibits a typical return loss of 26 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
- High Return Loss
- Instrumentation Grade

Applications:

- Test Lab
- Instrumentations
- Sub-assemblies

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	90 GHz		140 GHz
Return Loss		26 dB	
Power Handling		5 W (CW)	6 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

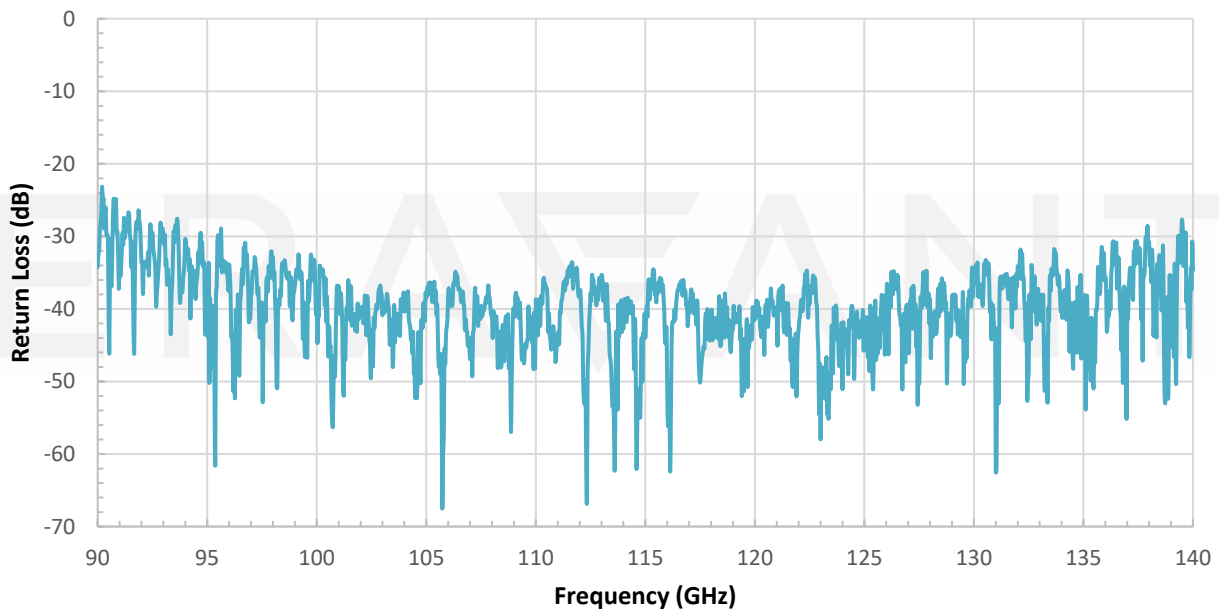
Mechanical Specifications:

Item	Specification
RF Ports	WR-08 Waveguide with UG-387/U-M Flange
Waveguide Material	Brass
Waveguide Finish	Gold Plated
Heat Sink Finish	Black Anodized
Weight	2.0 Oz
Outline	WL-FM

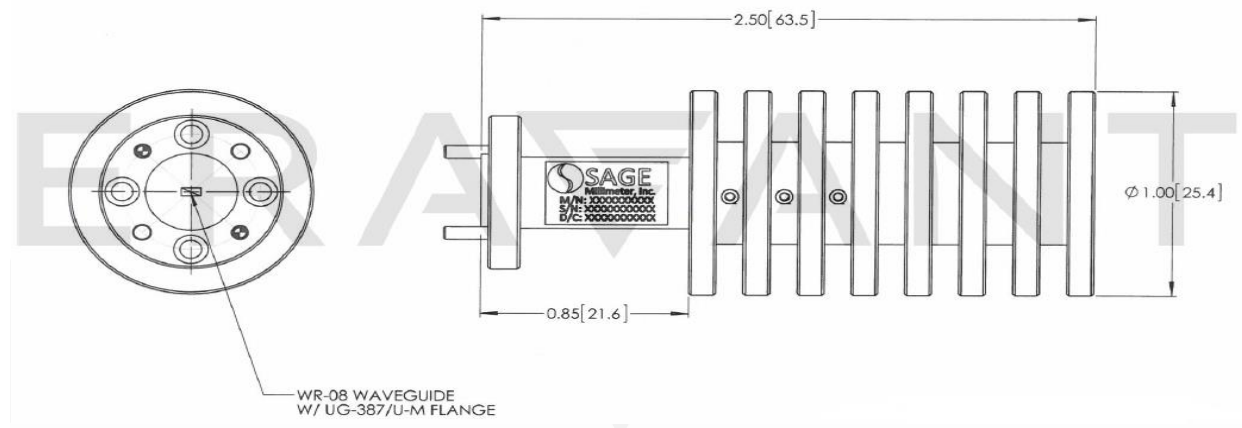


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Typical Return Loss vs. Frequency



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.

