

G Band Waveguide Termination Load, 0.2 Watts

Description:

Model SWL-0523-S1 is a low power, WR-05 waveguide termination load that covers the frequency range of 140 to 220 GHz. The termination load exhibits a typical return loss of 25 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	140 GHz		220 GHz
Return Loss		25 dB	
Power Handling		0.1 W (CW)	0.2 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

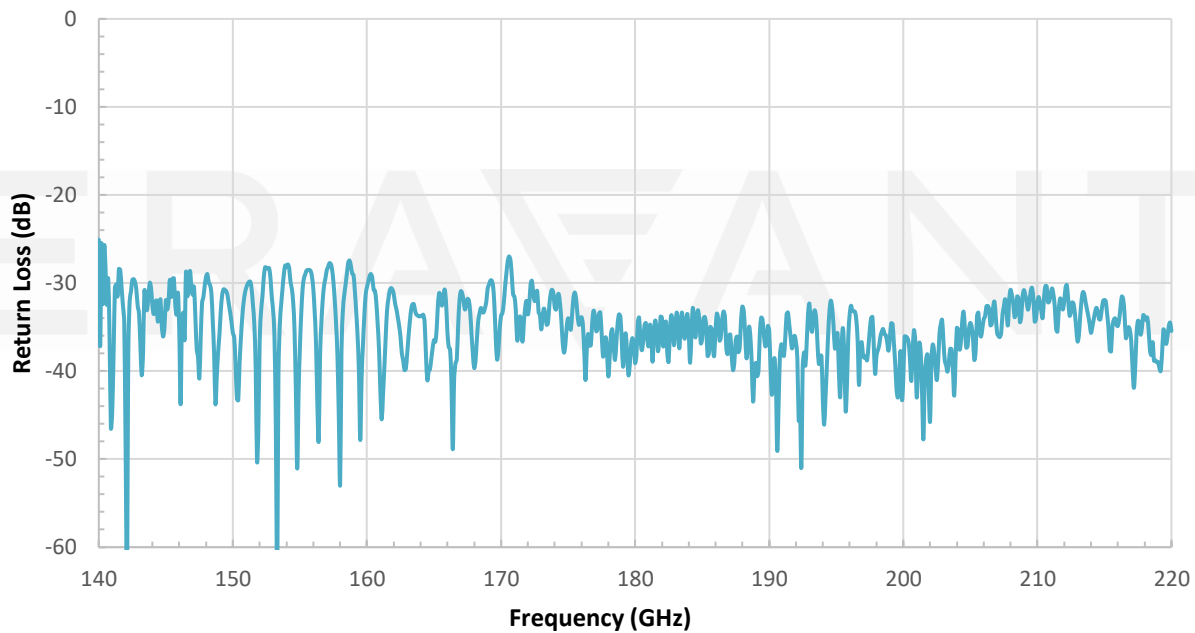
Mechanical Specifications:

Item	Specification
RF Ports	WR-05 Waveguide with UG-387/U-M Anti-Cocking Flange
Material	Brass
Body Finish	Gold Plated
Weight	0.6 Oz
Outline	WL-GL-A

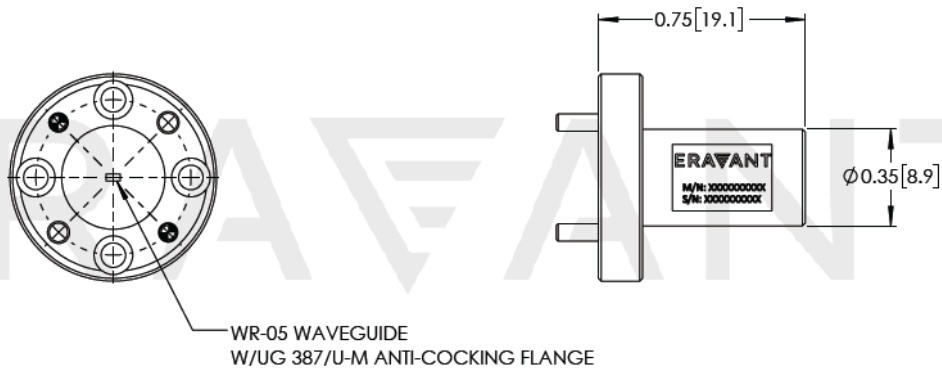


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Typical Return Loss vs Frequency



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.
- Eravant reserves the right to change the information presented without notice.

Caution:

- Exceeding absolute maximum ratings will damage the device.
- Any foreign objects in the waveguide will degrade the performance and/or damage the device.



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