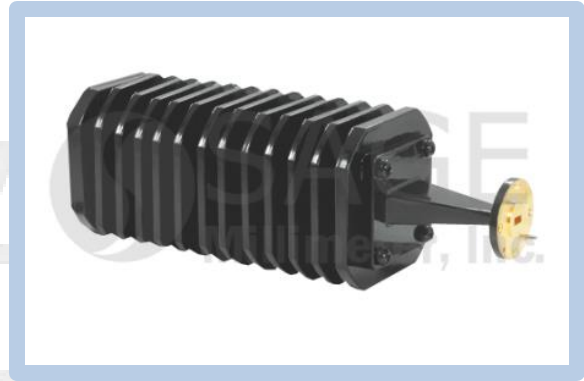




Q-Band Waveguide Termination Load, 200 Watts

Description:

Model SWL-2253-S1 is a high power, Q-Band termination load that covers the frequency range of 33 to 50 GHz. The termination load exhibits a typical return loss of 23 dB. It is designed and manufactured to offer a good match for test lab and 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	33 GHz		50 GHz
Return Loss		23 dB	
Power Handling		200 W (CW)	225 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

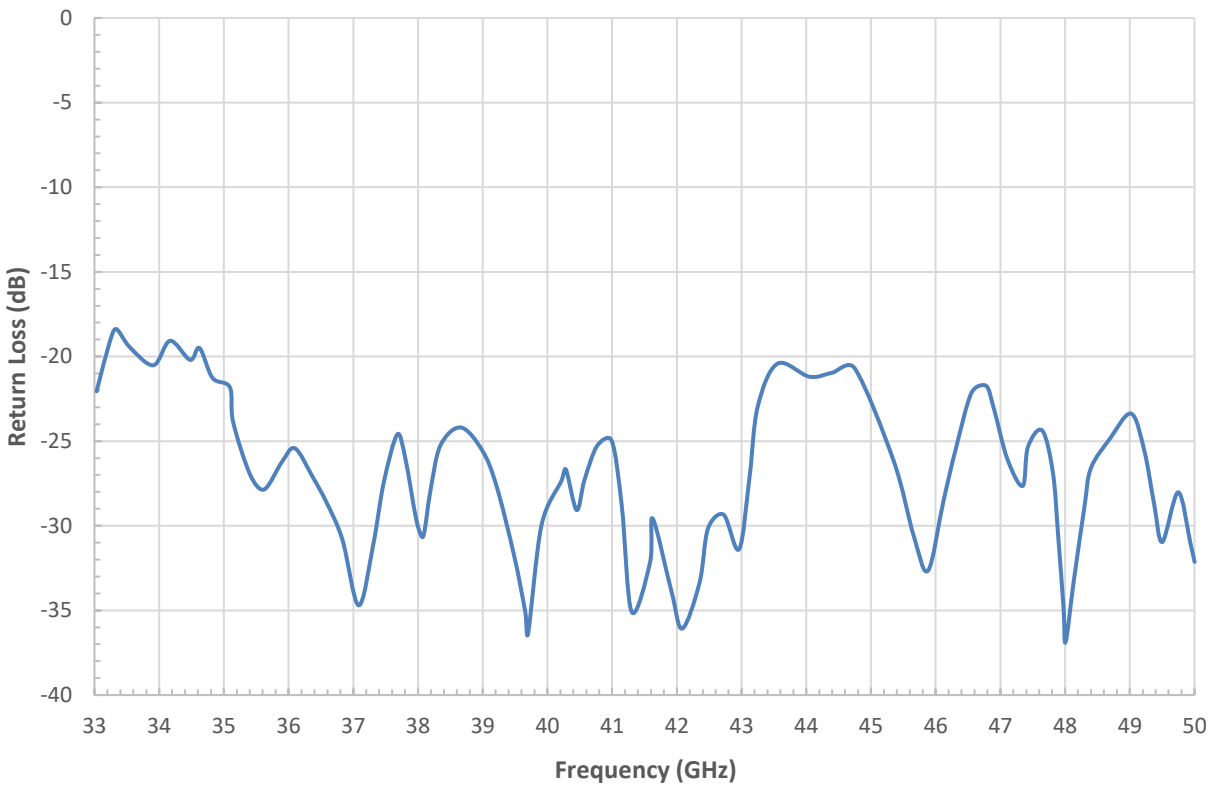
Item	Specification
Waveguide	WR-22 Waveguide
Flange	UG-383/U Flange
Waveguide Material	Brass
Waveguide Finish	Gold Plated
Heat Sink Material	Aluminum
Heat Sink Finish	Black Paint
Weight	24 Oz
Size	7.08" (L) x 2.36" (W) x 2.36" (H)
Outline	WL-QH-200-BX1



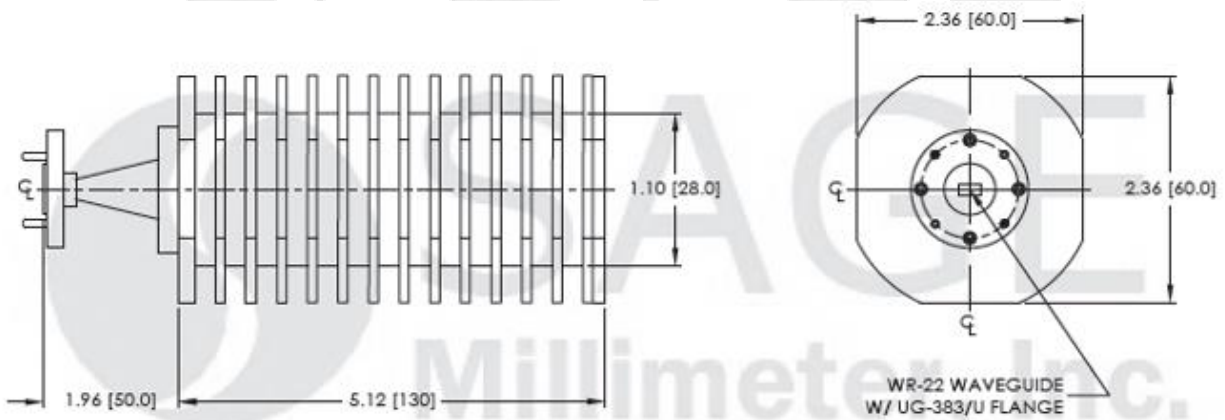


Q-Band Waveguide Termination Load, 200 Watts

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 degrade performance and/or damage the device.



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