

Waveguide Tunable Load, E Band

Description:

Model SWL-1223-T1 is an E-band tunable waveguide load that covers the frequency range of 60 to 90 GHz. The tunable load is constructed with a linear bearing and high precision Mitutoyo micrometer to guarantee smooth, long term repeatable mechanical movements. The tunable load offers 30 dB typical return loss and up to +23 dBm RF power.



Features:

- High Return Loss
- Linear Bearing Configuration
- Mitutoyo Micrometer Driven

Applications:

- Test Labs
- Test Instrumentation
- System Calibration and Tuning

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	60 GHz		90 GHz
Return Loss		30 dB	
Power Handling		+23 dBm	+25 dBm
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

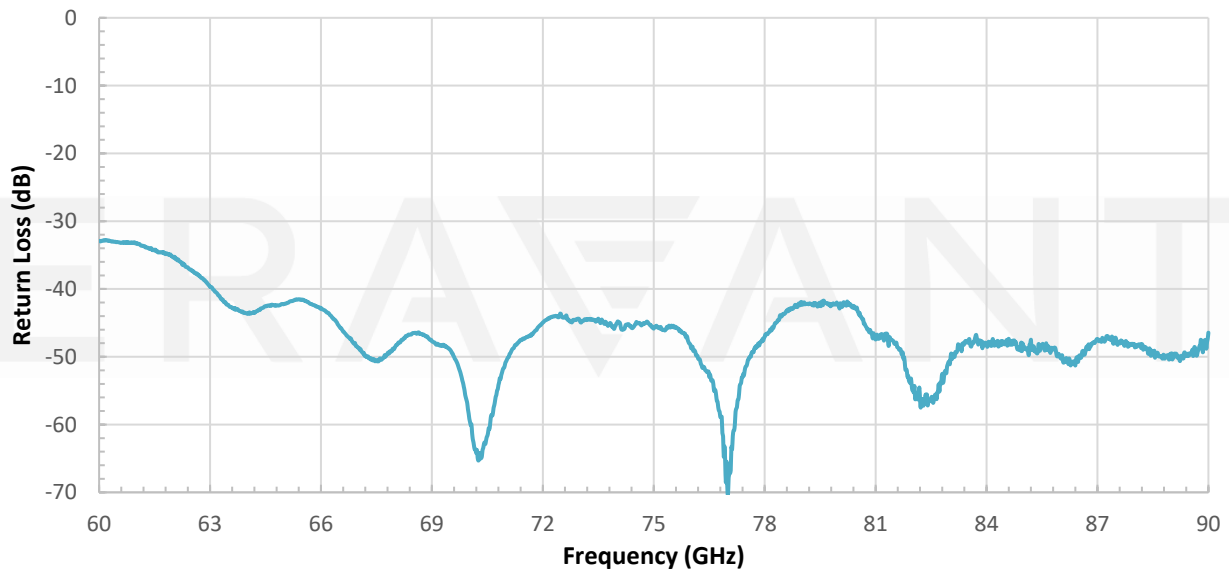
Mechanical Specifications:

Port	Specifications
Waveguide	WR-12 Waveguide with UG-387/U Anti-Cocking Flange
Waveguide Material	Brass
Finish	Gold Plated Waveguide; Black Anodized Handle
Weight	3.6 Oz
Outline	WL-ET-A

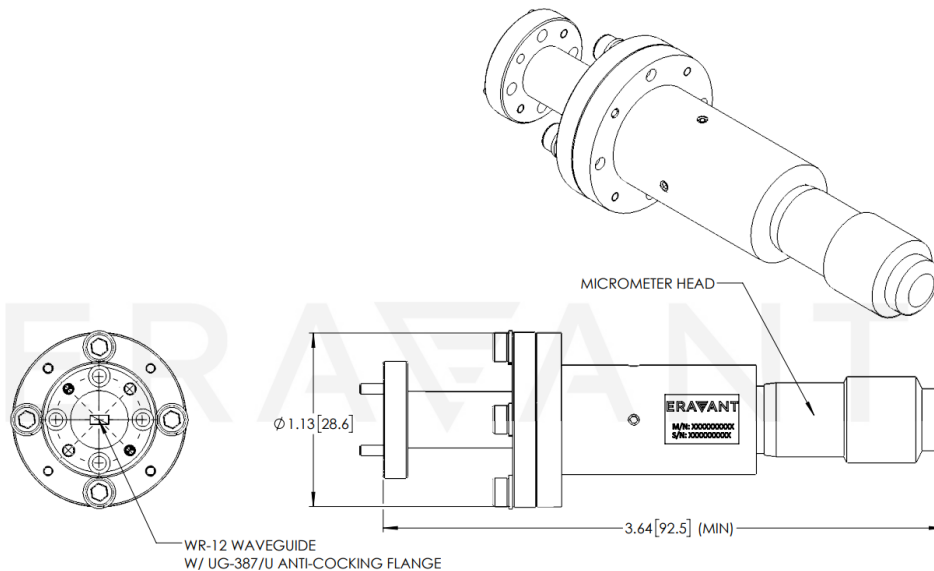


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Typical Return Loss vs. Frequency



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



Note:

- 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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