

## SWL-0623-S1-0.75

### D-Band Waveguide Termination Load, 0.1 Watts

**SWL-0623-S1-0.75** is a low power, WR-06 waveguide termination load that covers the frequency range of 110 to 170 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.



#### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	110 GHz		170 GHz
Return Loss		26 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
Waveguide Port	WR-06 Waveguide with UG-387/U-M Anti-Cocking Flange
Material	Brass
Finish	Gold Plated
Weight	0.6 Oz
Outline	WL-DL-A-0.75

#### ECCN

EAR99

#### FEATURES

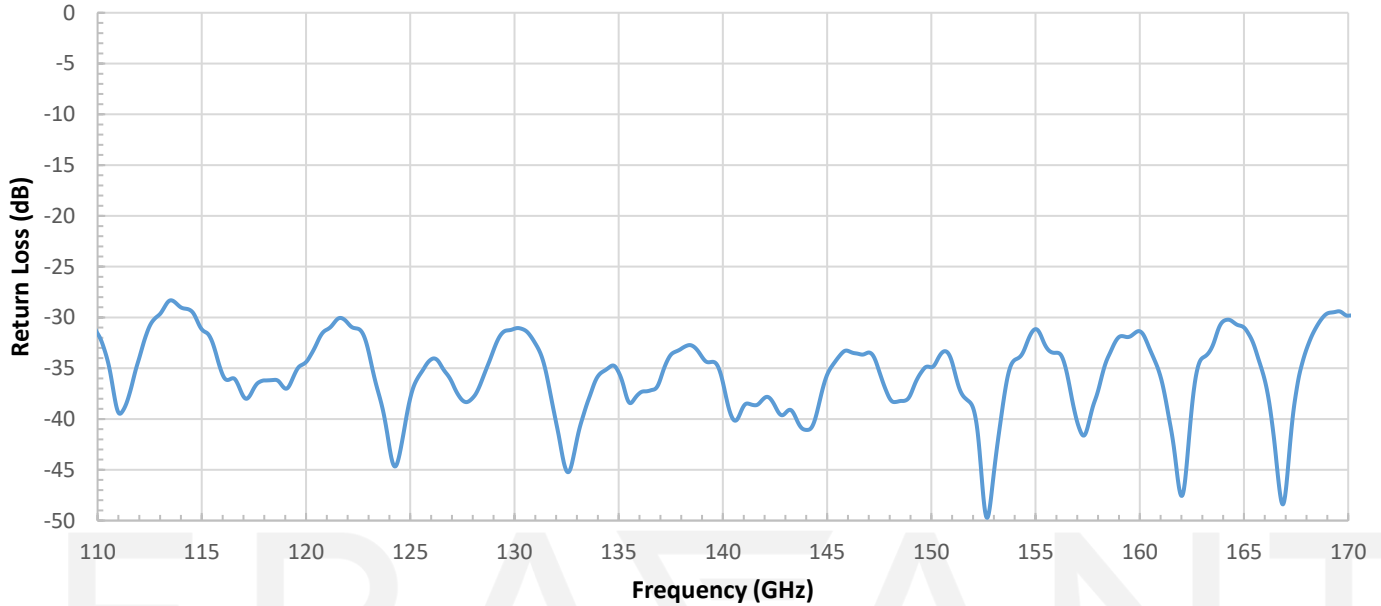
- Full Band Coverage
- High Return Loss

#### APPLICATIONS

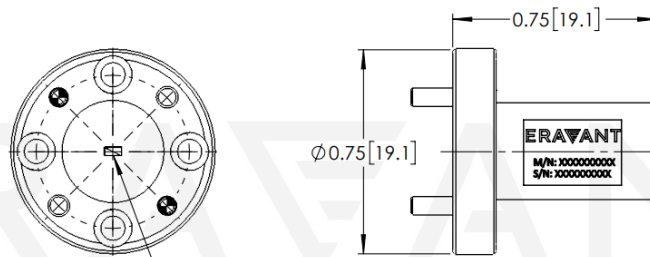
- Test Lab
- Instrumentations
- Sub-Assemblies

#### SUPPLEMENTAL DETAILS

### Typical Return Loss vs. Frequency



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



WR-06 WAVEGUIDE  
W/ UG-387/U-M ANTI-COCKING FLANGE

#### NOTE:

- Return loss data presented is measured under low power conditions (0 dBm). Actual return loss under high power conditions will be worse than what is shown on the plot.
- Test data provided is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room 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 may damage or destroy the unit.