

## SWL-1050-S8

### W-Band Waveguide Termination Load, 100 Watts

**SWL-1050-S8** is a high power, W-Band termination load that covers the frequency range of 75 to 110 GHz. The termination load exhibits a typical return loss of 22 dB and 100 Watts power handling capacity. It is designed and manufactured to offer a good match for high power test lab and system applications. Custom levels of power handling are offered under different model numbers.



#### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	75 GHz		110 GHz
Return Loss		22 dB	
Power Handling			100 mW (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

#### Mechanical Specifications:

Item	Specification
RF Port	WR-10 Waveguide with UG-387/U-M Anti-Cocking Flange
Waveguide Material	Brass
Waveguide Finish	Gold Plated
Heatsink Material	Aluminum
Heatsink Finish	Black Anodized
Outline	WL-WH-100-A-SX1

#### ECCN

EAR99

#### FEATURES

- Full Waveguide Band Coverage
- High Return Loss
- Instrumentation Grade

#### APPLICATIONS

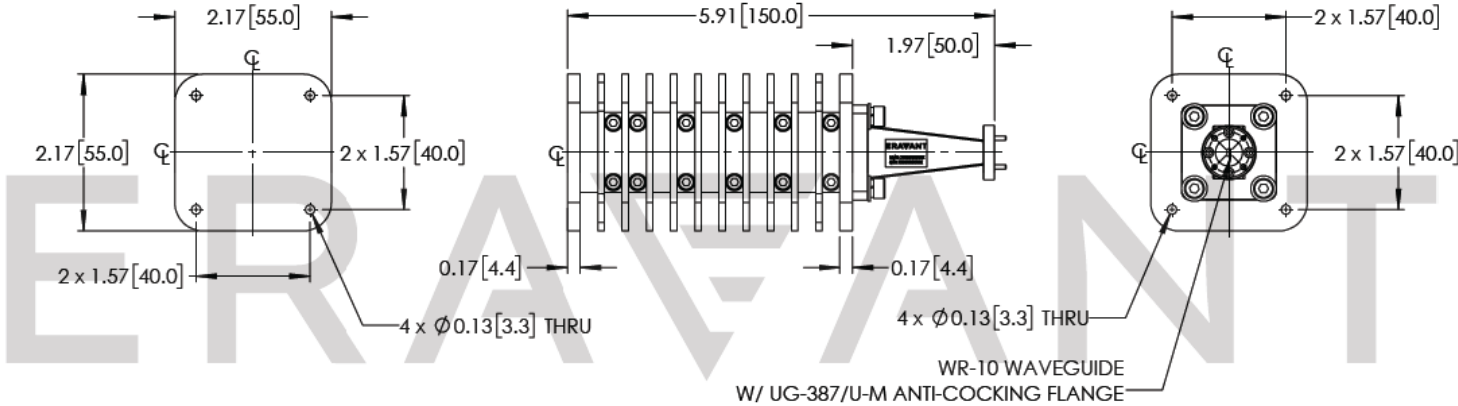
- Test Lab
- Instrumentations
- Sub-assemblies

#### SUPPLEMENTAL DETAILS



## SWL-1050-S8

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



**NOTE:**

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

**CAUTION:**

- Exceeding absolute maximum ratings shown will damage the device.
- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.