

## K-Band Waveguide Termination Load, 500 Watts

### Description:

**Model SWL-4257-S8** is a high power, K-Band termination load that covers the frequency range of 18 to 26.5 GHz. The termination load exhibits a typical return loss of 22 dB and 500 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.



### Features:

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

### Applications:

- Test Lab
- Instrumentations
- Sub-assemblies

### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	18 GHz		26.5 GHz
Return Loss		22 dB	
Power Handling			500 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

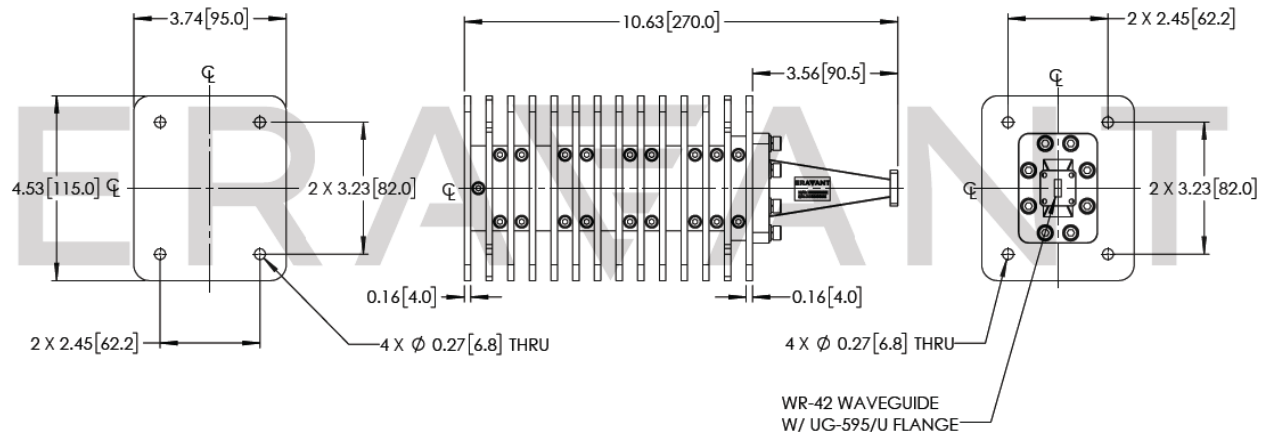
### Mechanical Specifications:

Item	Specification
RF Port	WR-42 Waveguide with UG-595/U Flanges
Waveguide Material	Brass
Waveguide Finish	Gold Plated
Heat Sink Material	Aluminum
Heat Sink Finish	Black Anodized
Weight	5.4 lbs.
Outline	WL-KH-500-SX1



## K-Band Waveguide Termination Load, 500 Watts

**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.
- Any foreign objects in the waveguide will cause performance degradation and possible device damage.

ERAVANT

