

SWL-4247-S8

K-Band Waveguide Termination Load, 50 Watts

SWL-4247-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 25 dB and 50 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 Range	18 GHz		26.5 GHz
Return Loss	20 dB	25 dB	
Power Handling			50 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 Flange
Waveguide Material	Brass
Waveguide Finish	Gold Plated
Heatsink Material	Aluminum
Heatsink Finish	Black Anodized
Size	3.94" (L) x 1.50" (W) x 1.50" (H)
Outline	WL-KH-50-A-SX1

ECCN

EAR99

FEATURES

- Full Band Coverage
- High Return Loss
- Instrumentation Grade

APPLICATIONS

- Test Lab
- Instrumentation
- Sub-assemblies

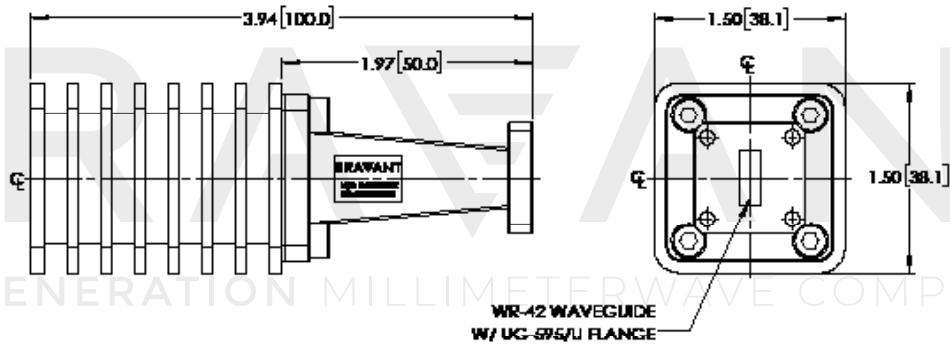
SUPPLEMENTAL DETAILS



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Mechanical Outline

Unless otherwise specified, all dimensions are in inches [millimeters]



NOTE

- On condition that test data is provided it is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- On condition that simulated test data is provided, actual measured data may slightly vary.
- Eravant reserves the right to change the information presented without notice.

CAUTION

- Exceeding absolute maximum ratings will damage the device.
- Any foreign objects in the waveguide will cause performance degradation or damage the device.

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Typical Return Loss vs. Frequency

