# SWL-0837-S1

## F-Band Waveguide Termination Load, 5 Watts

#### **Description:**

**Model SWL-0837-S1** is a medium power, F-Band termination load that covers the frequency range of 90 to 140 GHz. The termination load exhibits a typical VSWR of 1.10:1. It is designed and manufactured to offer a good match for system applications. Custom levels of power handling are available under different model numbers.

#### Features:

- Full Waveguide Band Coverage
- Low VSWR
- Instrumentation Grade

#### **Electrical Specifications:**

Parameter	Minimum	Typical	Maximum
Frequency	90 GHz		140 GHz
VSWR		1.10:1	
Power Handling		5 W (CW)	6 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

**Applications:** 

Test Lab

Instrumentations

Sub-assemblies

### **Mechanical Specifications:**

ltem	Specification
Waveguide	WR-08 Waveguide
Flange	UG-387/U-M Flange
Size	2.50" (L) x 1.00" (Ø)
Waveguide Material	Brass
Waveguide Finish	Gold Plated
Heat Sink Finish	Black Anodized
Weight	2.0 Oz motor no
Outline	WL-FM



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

#### Note:

• SAGE Millimeter, Inc. 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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