# SWL-2832-S1-V

# Ka-Band Waveguide Termination Load, 1.5 Watts, Thermal Vacuum Safe

### **Description:**

**Model SWL-2832-S1-V** is a low power, Ka-Band termination load that covers the frequency range of 26.5 to 40 GHz. The termination load exhibits a typical return loss of 34 dB or better. It is designed and manufactured to offer a good match for system applications. The termination load uses only low outgassing materials and adhesives in its construction to ensure that it is safe to use in thermal vacuum environments. The termination load also includes vent holes to assist in the depressurization of the unit in vacuum environments. Custom levels of power handling are available under different model numbers.



#### Features:

- Full Waveguide Band Coverage
- High Return Loss
- Low Outgassing
- Vent Holes

### **Applications:**

- Thermal Vacuum Environment Testing
- Test Lab
- Instrumentations
- Sub-assemblies

### **Electrical Specifications:**

Parameter	Minimum	Typical	Maximum
Frequency	26.5 GHz		40.0 GHz
Return Loss		34 dB	
Power Handling		1.5 W (CW)	2.0 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

## **Mechanical Specifications:**

Item	Specification
Waveguide Port	WR-28 Waveguide with UG-599/U Flange
Length	2.00″
Body Material	Aluminum 6061-T6
Finish	None
Weight	0.8 oz.
Outline	WL-AL-NP-S



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



Note:

- All data are presented using a limited sample lot. Actual data may vary unit to unit. •
- All testing was performed under 25°C case 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 possible device • damage.



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