SCM-2M33-UB-WR

2.4 mm (M) Coaxial Matching Load, 2 Watt, Weather Resistant

SCM-2M33-UB-WR is a weather resistant, 2.4 mm male coaxial matching load that covers the frequency range of DC to 50 GHz. The coaxial matching load exhibits a typical return loss of 20 dB. It is designed and manufactured to offer a good match for system applications. The characteristic impedance of the matching load is 50 Ohms and the power handling is 2 Watts. The female version is available under the model number SCM-2F33-UB-WR.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	DC		50 GHz
Return Loss @ DC to 50 GHz		20 dB	
Impedance		50 Ω	
Power Handling (Average)*			2 W (CW)
Power Handling (Peak)*			20 W
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+125 °C

*2 W average to 25 °C ambient temperature, derated linearly to 0.5 W @ 125 °C
*20 W @ 5µs pulse width with maximum 1% duty cycle

Mechanical Specifications:

Item	Specification
Connector Type	2.4 mm Male
Material	Stainless Steel
Finish	Passivated
Weight	0.2 Oz
Length	0.73”
Outline	CM-2M-33-WR-2

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FEATURES

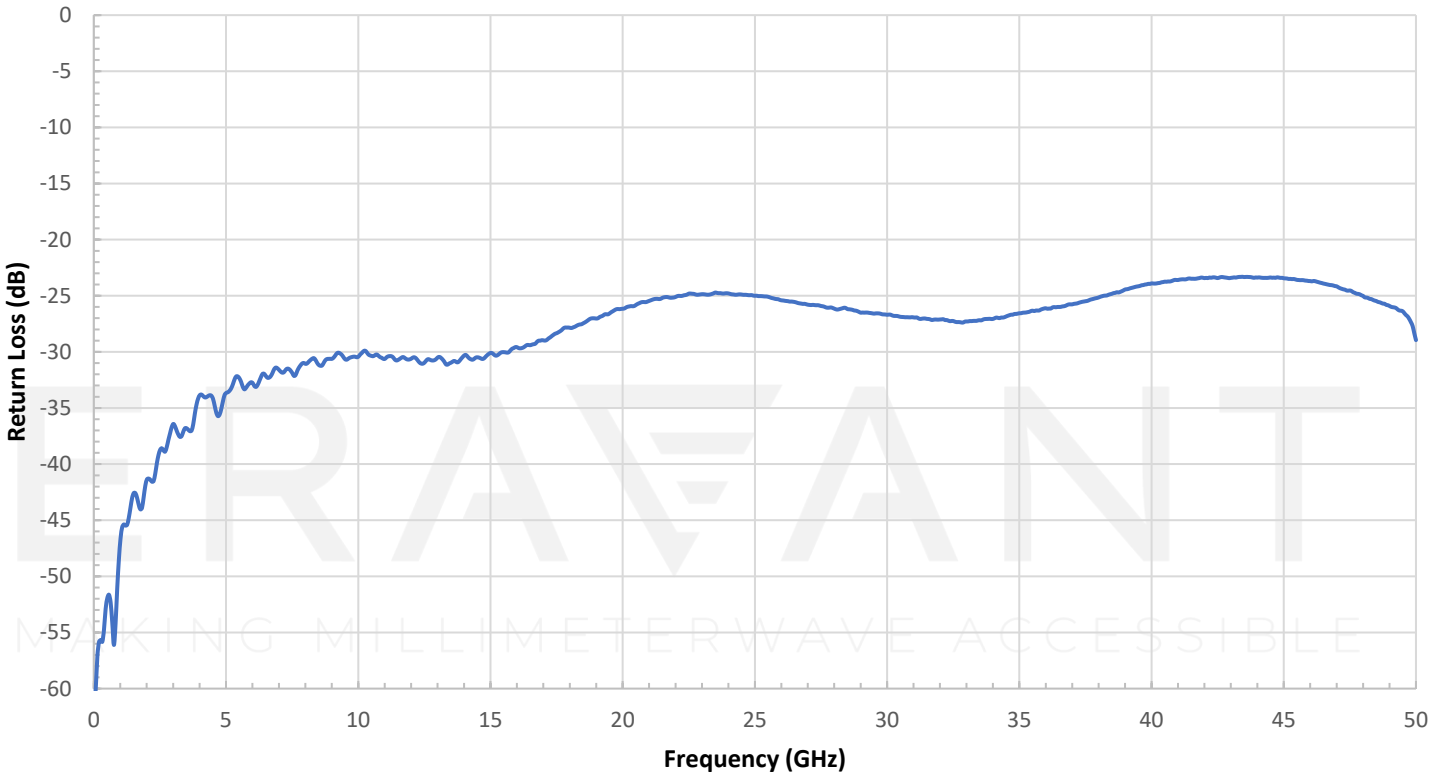
- Weather Resistant
- High Return Loss
- 50 Ohms

APPLICATIONS

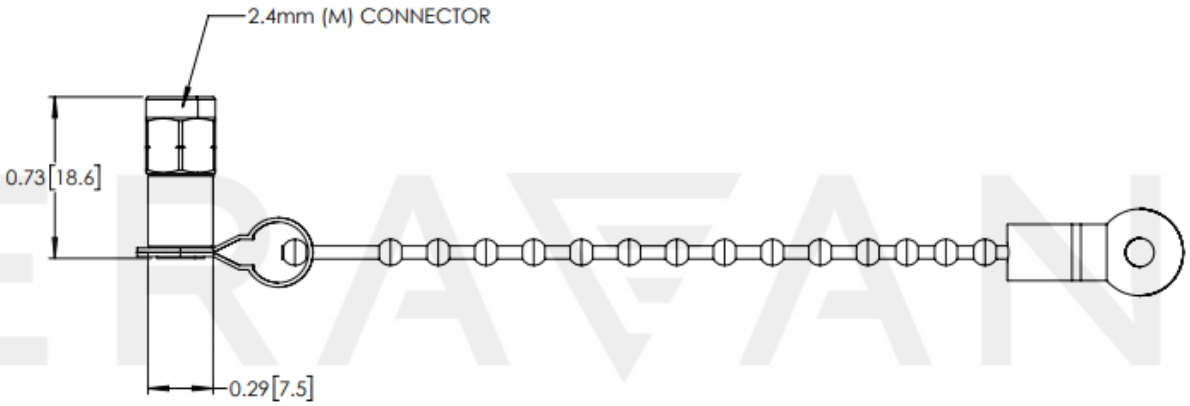
- Test Lab
- Sub-assemblies
- System Integration

SUPPLEMENTAL DETAILS

Typical Return Loss vs. Frequency



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



NOTE:

- All data presented is collected from a sample lot. Actual data may vary slightly from unit to unit.
- All testing is 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.
- Proper torque should be applied: 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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