

1.85 mm (M) to 1.85 mm (M) Coaxial Cable, Semi-Rigid

Description:

Model **SCW-VMVM006-S1** is a 6" long, semi-rigid coaxial cable with 1.85 mm (V) male connectors that cover the frequency range of DC to 67 GHz. The coaxial cable has an impedance of 50 ohms and a capacitance of 95 pF/m. Other lengths are offered under different model numbers.



Features:

- High Return Loss
- Low Insertion Loss
- Semi-Rigid

Applications:

- Test Lab
- Sub-assemblies

Electrical Specifications:

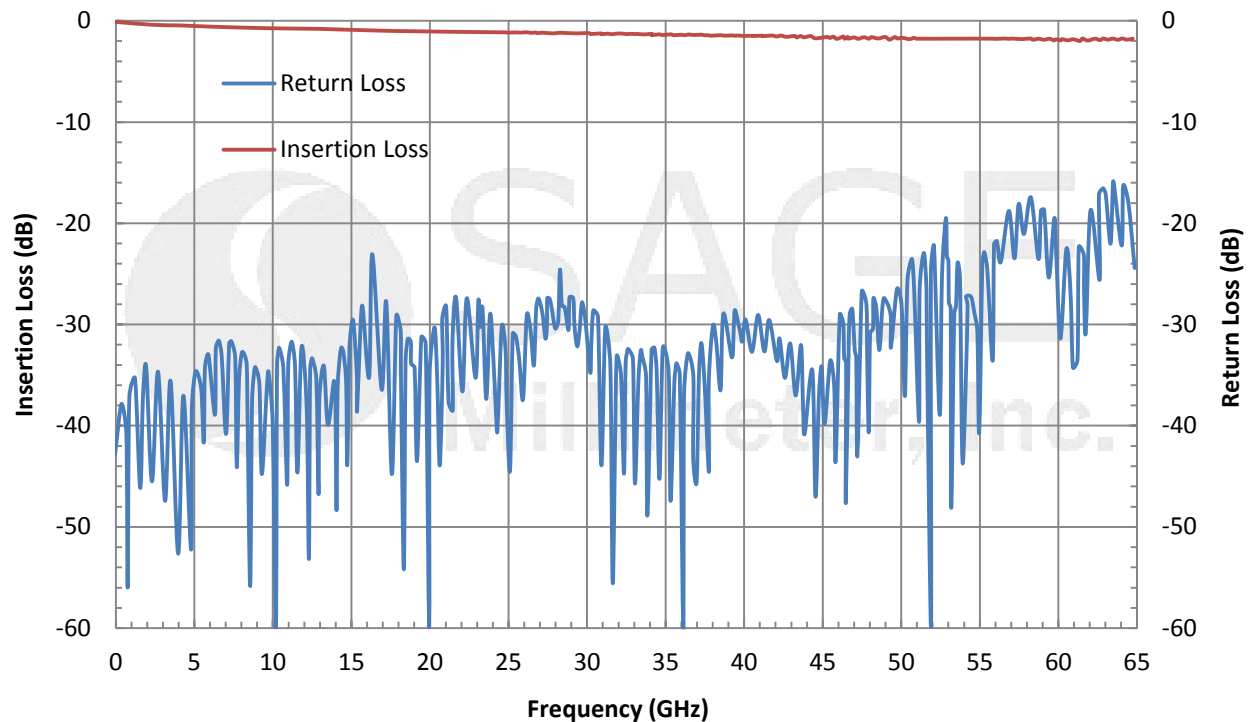
Parameter		Minimum	Typical	Maximum
Frequency Range		DC		67 GHz
VSWR	@ DC to 20 GHz			1.25:1
	@ 20 to 40 GHz			1.40:1
	@ 40 to 65 GHz			1.60:1
Impedance			50 Ω	
Capacitance			95 pF/m	
Maximum Temperature				+125°C

Mechanical Specifications:

Item	Specification
Minimum Bending Radius	0.126"
Connectors	1.85 mm (V) Male
Connector Material	Passivated Stainless Steel
Cable Material	Oxygen-free Copper
Cable Outer Diameter	0.047"
Length	6"
Weight	0.24 Oz
Outline	CW-VV-S7

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Typical Performance vs. Frequency



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



Note:

- All data are presented by using a limited sample lot. Actual data may vary unit to unit.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- Bending the cable sharply will either cause damage or degrade the performance of the cable.
- Proper torque, 8.0 ± 0.15 inch-pounds (0.92 ± 0.05 Nm), should be applied. **SAGE Millimeter torque wrench, model SCH-08008-S1, is highly recommended.**