SCW-1F1M006-F1

1 mm (F) to 1 mm (M) Coaxial Cable, Flexible, 6”

SCW-1F1M006-F1 is a 6” long, flexible coaxial cable with a 1 mm female and 1 mm male connector that covers the frequency range of DC to 110 GHz. The coaxial cable has an impedance of 50 ohms. This coax cable is also offered with both male connectors under model number SCW-1M1M006-F1. Additionally, other lengths are offered under different model numbers.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	DC		110 GHz
Insertion Loss @ 110 GHz		5.0 dB	
Return Loss		20 dB	
Impedance		50 Ω	
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

Item	Specification
Connectors	1 mm Female and 1 mm Male
Connector Material	Passivated Stainless Steel
Cable Inner Conductor	Copper, Silver Plated
Cable Outer Conductor I	Braided Copper, Silver Plated
Cable Outer Conductor II	Flat Wire Copper, Silver Plated
Cable Insulator Material	Fluorinated Ethylene Propylene (FEP), Clear
Cable Outer Sheath	Fluorinated Ethylene Propylene (FEP), Blue
Cable Outer Diameter	0.058”
Length	6”
Minimum Bending Radius	0.201”
Weight	0.2 Oz
Outline	CW-11-F10

ECCN

EAR99

FEATURES

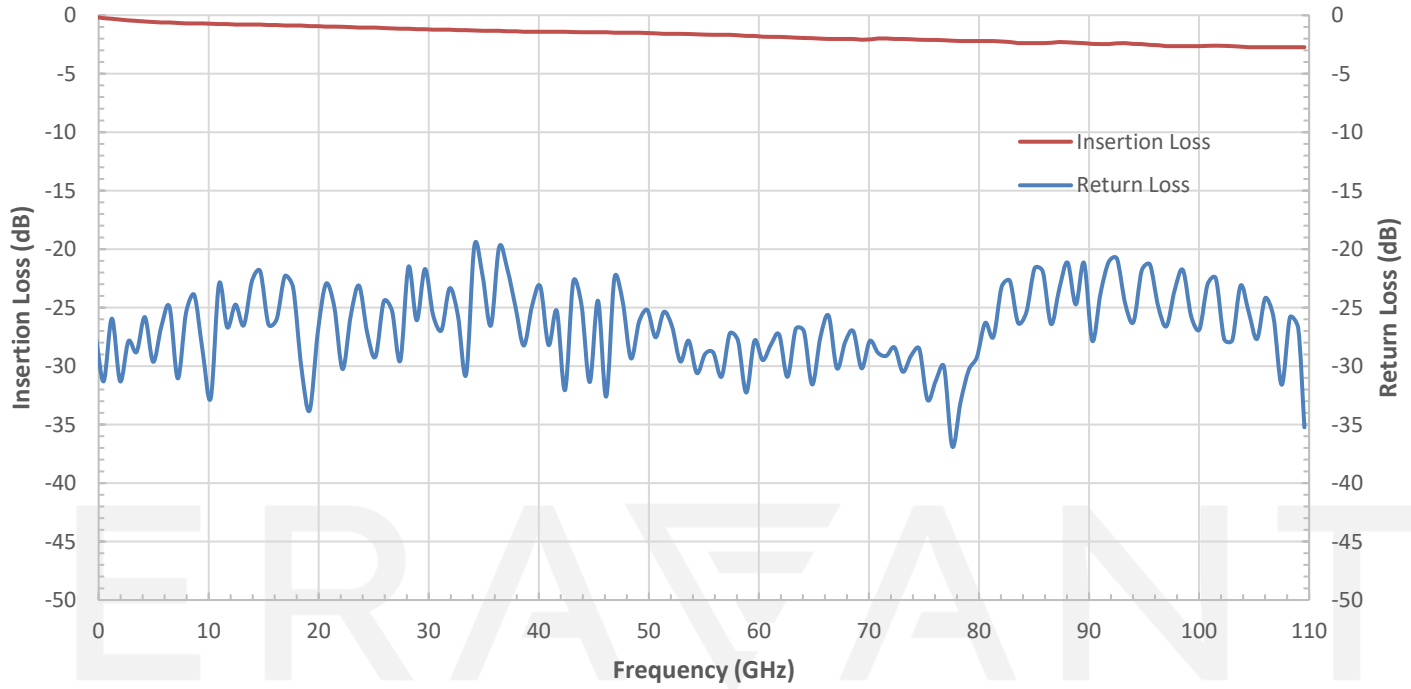
- High Return Loss
- Flexible

APPLICATIONS

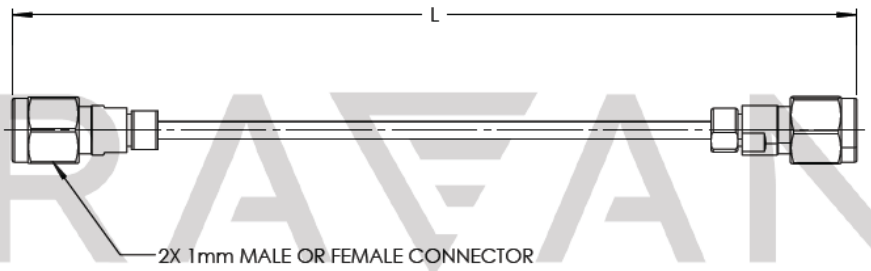
- Test Lab
- Sub-assemblies

SUPPLEMENTAL DETAILS

Typical Performance vs. Frequency



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



NOTE:

LENGTH "L" IS CUSTOMIZABLE

NOTE:

- Length “L” can be customizable.
- 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.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- For 1 mm connectors proper torque should be applied: 4.0 ± 0.15 inch-pounds (0.45 ± 0.02 Nm). Torque wrench model SCH-06004-S1 is highly recommended.

MAKING MILLIMETERWAVE ACCESSIBLE