SCG-10020-F2

WR-10 Waveguide Cable, Flexible, Armored, 2” Long

SCG-10020-F2 is a 2” long WR-10 waveguide cable. The frequency range of the waveguide cable is 75 to 110 GHz. The cable allows for varied orientations of waveguide to waveguide connections. The cable has a typical insertion loss of 3 dB and a nominal return loss of 14 dB. The cable features a flexible metallic cable for added protection. Other lengths are offered under different model numbers.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	75 GHz		110 GHz
Insertion Loss		3 dB	
Return Loss		14 dB	
Power Handling			2 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

Item	Specification
Waveguides	WR-10 with UG-387/U-M Anti-Cocking Flange
Waveguide Material and Finish	Gold Plated Aluminum
Cable Sleeve Material	Stainless Steel
Length	2”
Min. Centerline Bend Radius (E Plane)	45°/in
Min. Centerline Bend Radius (H Plane)	45°/in
Weight	0.5 Oz
Outline	CG-FW-A-F-L-LN1

ECCN

EAR99

FEATURES

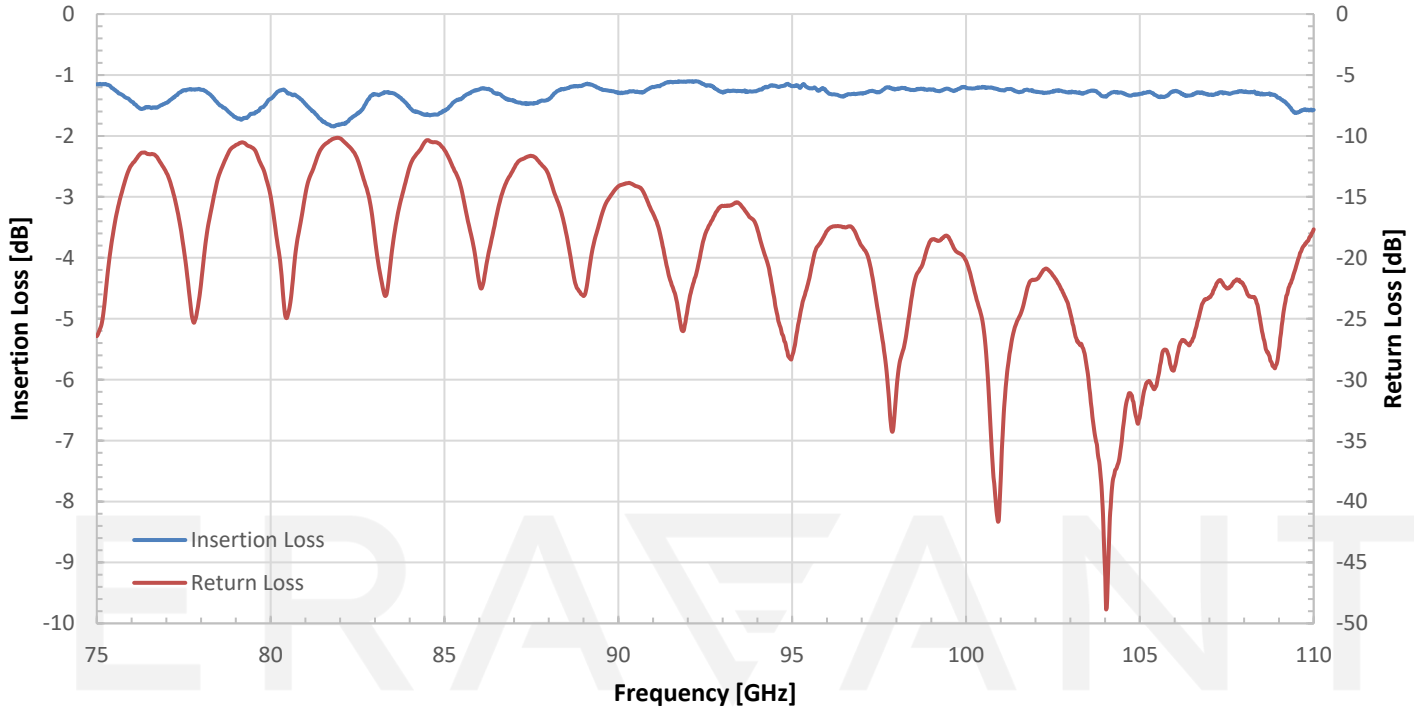
- Full Band Coverage
- High Return Loss
- Flexible and Durable
- Armored Cable Design

APPLICATIONS

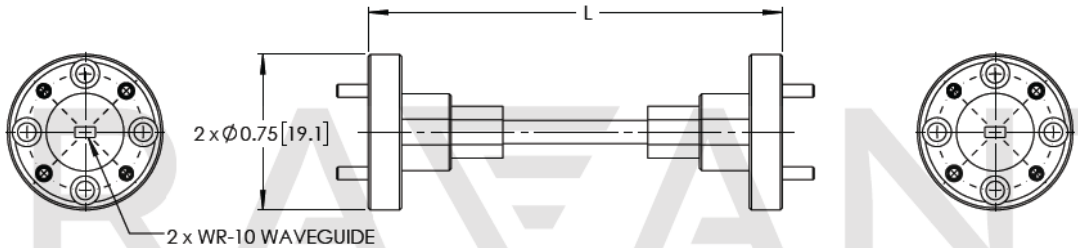
- Test Lab
- Sub-assemblies

SUPPLEMENTAL DETAILS

Typical Performance vs Frequency



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



NOTES:
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.
- On condition that simulated test data is provided, actual measured data may slightly vary.
- Eravant 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.
- Exceeding absolute maximum ratings shown will damage the device.
- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.

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MAKING MILLIMETERWAVE ACCESSIBLE