

## SCG-15020-F2

## WR-15 Waveguide Cable, Flexible, Armored, 2" Long

**SCG-15020-F2** is a 2" long WR-15 waveguide cable. The frequency range of the waveguide cable is 50 to 75 GHz. The cable allows for varied orientations of waveguide to waveguide connections. The cable has a typical insertion loss of 2.6 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                 | 50 GHz  |         | 75 GHz   |
| Insertion Loss            |         | 2.6 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-15 with UG-385/U 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-FV-A-F-L-LN1                         |

## ECCN

EAR99

## FEATURES

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

## APPLICATIONS

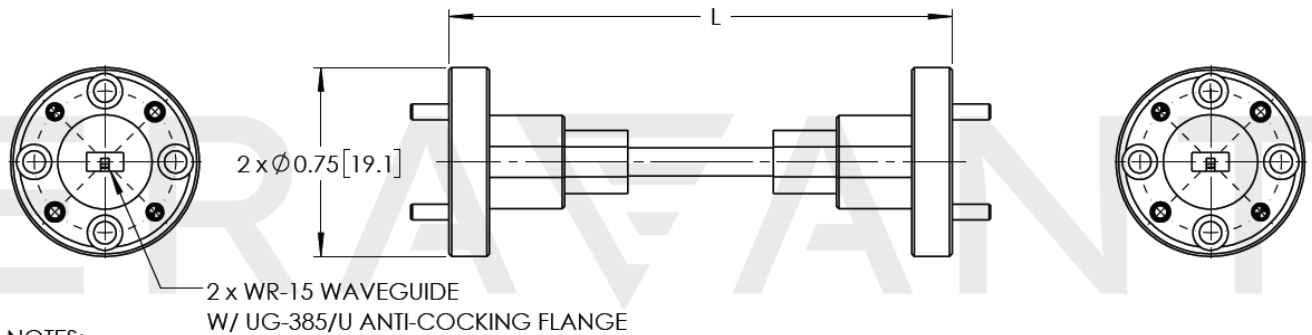
- Test Lab
- Sub-assemblies

## SUPPLEMENTAL DETAILS



## SCG-15020-F2

**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.