

## Flexible Waveguide Cable

**WR15/50-75GHz**

**Model: FW-1.0MWR15-0.1m**

FW-1.0MWR15-0.1m is a flexible waveguide cable that covers the frequency range of 50 to 75 GHz. The flexible waveguide cable includes two WR-15 waveguide ports with UG-385/U-M anti-cocking flange.

### Features:

- Operating Frequency 50 to 75GHz
- VSWR: 1.6:1 Typ
- Insertion loss: 2dB Typ
- Low cost
- Fast delivery time

### Applications:

- Test Lab
- Instrumentations
- System setups

### Electrical Characteristics:

| Parameter       | Min | Typ  | Max | Units |
|-----------------|-----|------|-----|-------|
| Frequency Range | 50  |      | 75  | GHz   |
| VSWR            |     | 1.6  |     | :1    |
| Insertion Loss  |     | 2    |     | dB    |
| Power Handling  |     | 4 CW |     | W     |

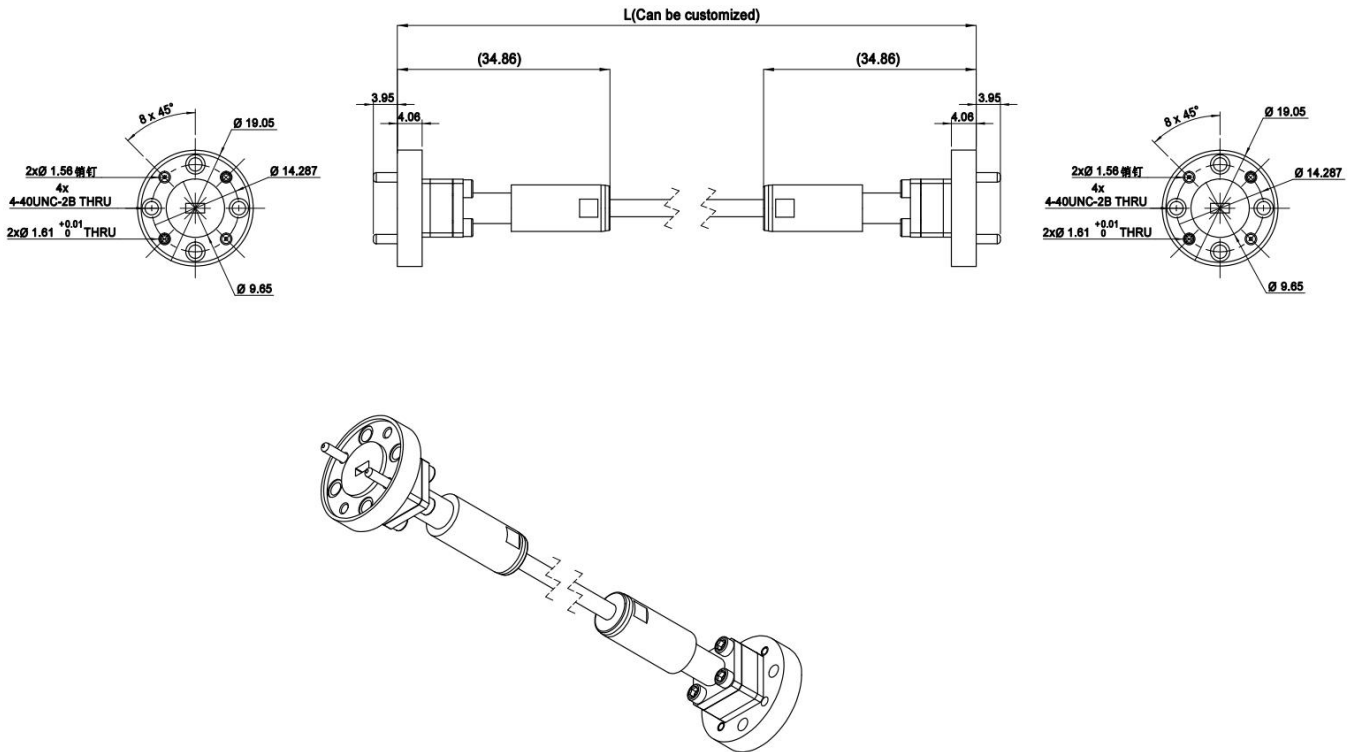
### Envrionmental And Physical Characteristics:

| Description               | Parameter      | Units |
|---------------------------|----------------|-------|
| Operating Temerature      | +25            | °C    |
| Non-operating Temperature | -55~+165       | °C    |
| Minimum Bending Radius    | 25             | mm    |
| Waveguide Connector       | WR-15/UG-385/U |       |
| Length*                   | 0.1            | m     |

\*Note:Length can be customized.

## Outline Drawing:

Unit:mm; Tolerance:±0.1mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

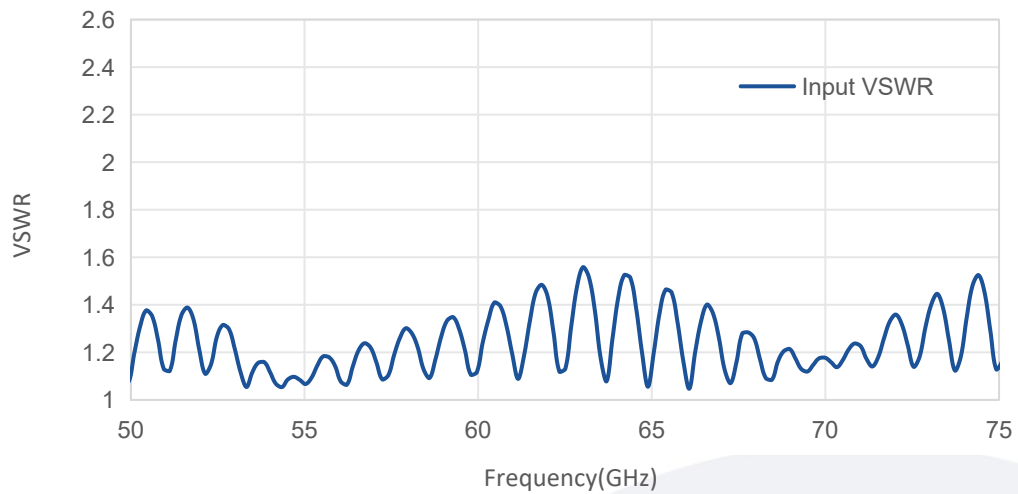
## Ordering Information:

| Base Number      | Description                                                        |
|------------------|--------------------------------------------------------------------|
| FW-1.0MWR15-0.1m | Flexible Waveguide Cable, 50-75GHz, WR15, Length can be customized |

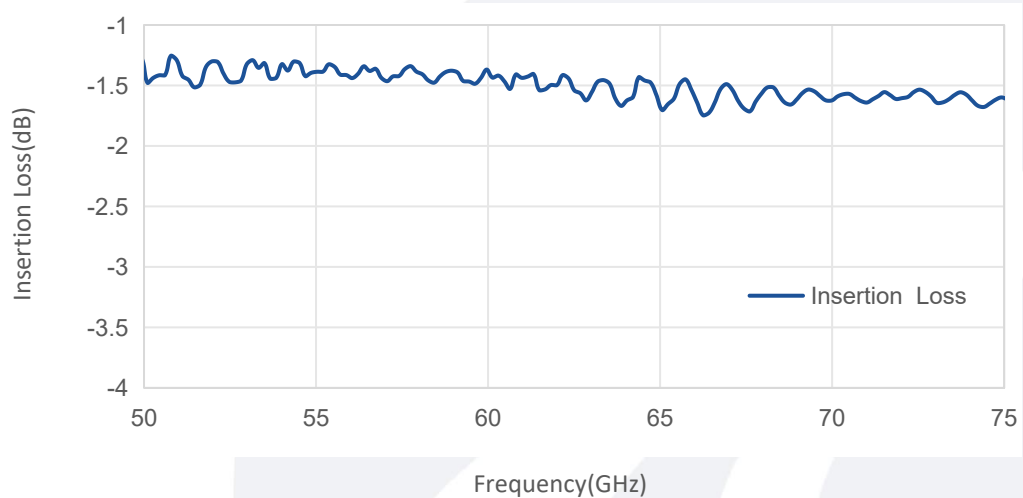
## Typical Performance Data:

Length=0.1m:

### VSWR vs Frequency



### Insertion Loss vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.