Suzhou Talent Microwave,Inc
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# 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

### 电气特性 Electrical Characteristics:

| 参数 Parameter | Min | Typ | Max | 单位 Units |
|---|---|---|---|---|
| 频率范围 Frequency Range | 50 | | 75 | GHz |
| 驻波 VSWR | | 1.6 | | :1 |
| 插损 Insertion Loss | | 2 | | dB |
| 耐功率 Power Handling | | 4 CW | | W |

### 环境和机械特性 Envrionmental And Physical Characteristics:

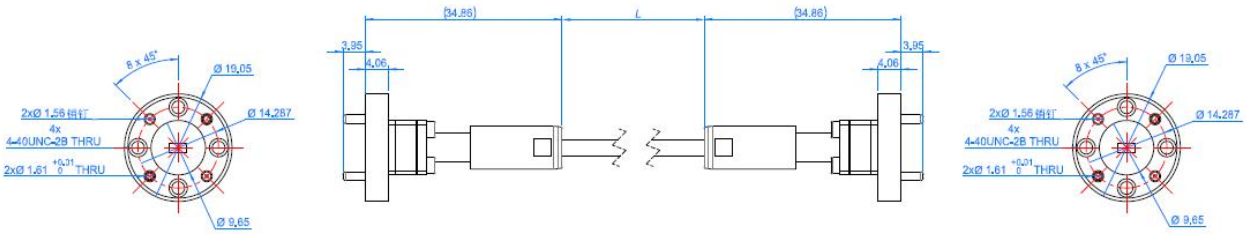
| 参数 Parameter | 指标 Value | 单位 Units |
|---|---|---|
| 操作温度 Operating Temerature | +25 | ℃ |
| 存储温度 Non-operating Temperature | -55~+165 | ℃ |
| 最小弯曲半径 Minimum Bending Radius | 25 | mm |
| 波导接口 Waveguide Connector | WR-15/UG-385/U | |
| 长度 Length* | 0.1 | m |

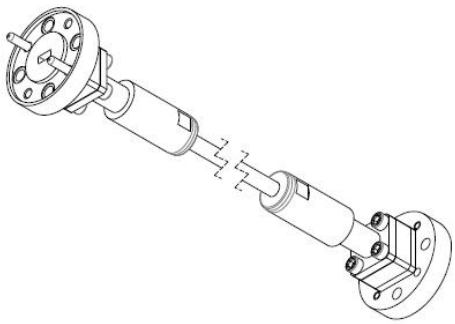
*Note:Length can be customized.

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## 外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

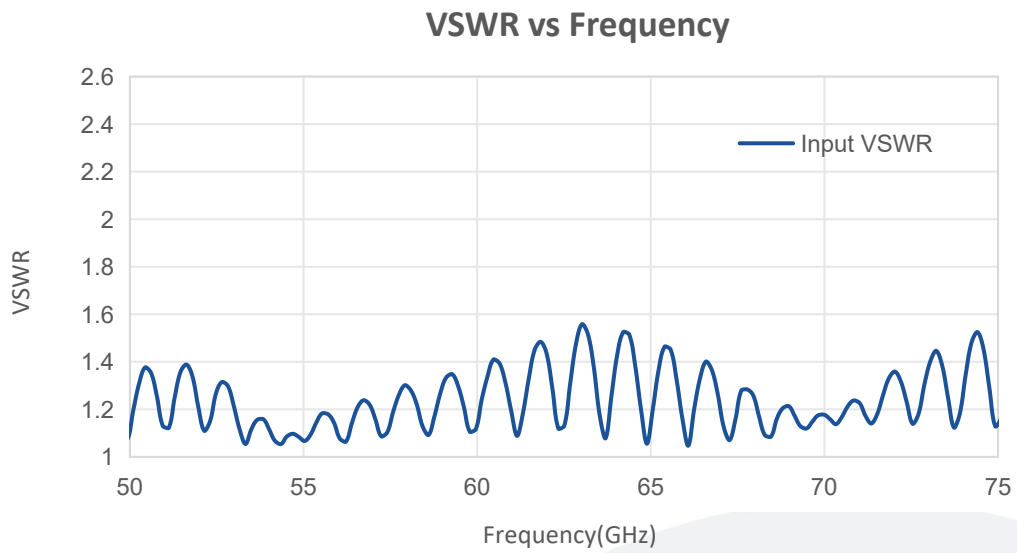
## 订货信息 Ordering Information:

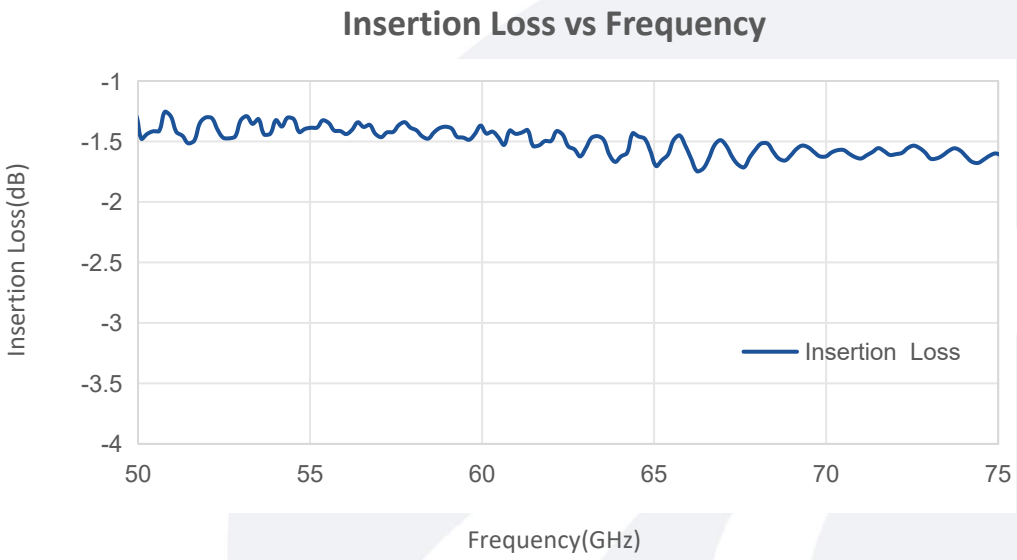
| 标准型号 Base Number | 描述 Description |
|---|---|
| FW-1.0MWR15-0.1m | Flexible Waveguide Cable, 50-75GHz, WR15,<br>Length can be customized |

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## 典型曲线 Typical Performance Data:

### Length=0.1m:




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.