

## LBWT-WAC-75/110-C-WR10-1.0X

Waveguide to Coaxial Adapter  
75 – 110 GHz

Waveguide to coaxial adapter with 1.0 mm connector, operating frequency range from 75 to 110 GHz, max VSWR is 1.50.

### TYPICAL APPLICATIONS

- Laboratory test and measurement
- Scientific research
- Satellite communication
- Telecommunications infrastructure
- Medical equipment
- Military and aerospace communication systems

### FEATURES

- Wide frequency range
- Low VSWR and Insertion loss

### MECHANICAL SPECIFICATIONS

|                |                            |
|----------------|----------------------------|
| Material       | Copper                     |
| Finish         | Gold                       |
| Dimensions, mm | Check the outline drawings |

### ELECTRICAL SPECIFICATIONS

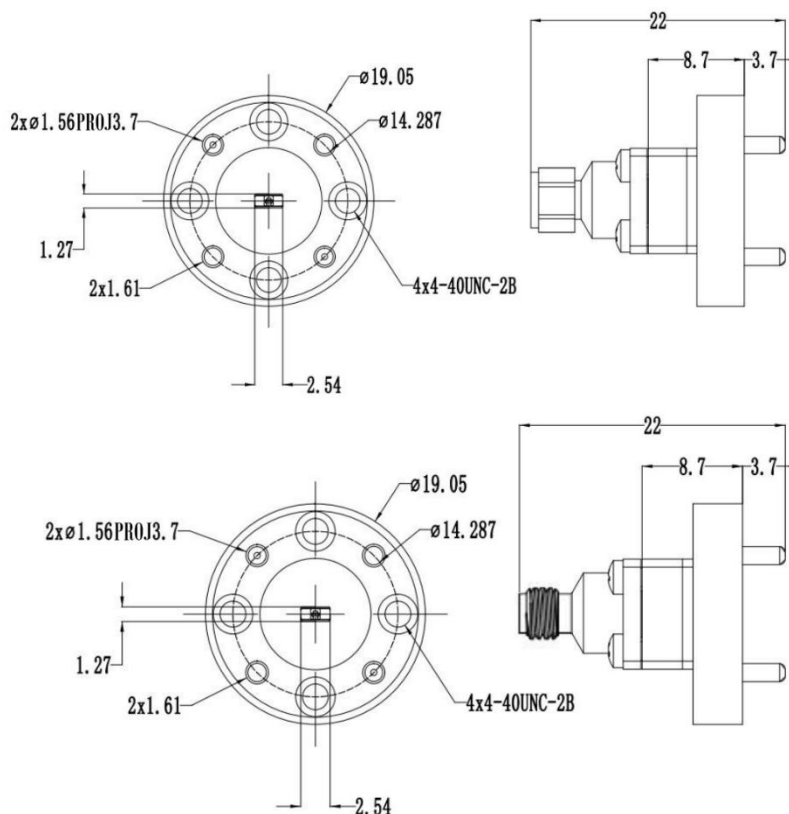
|                                |                              |
|--------------------------------|------------------------------|
| Operating frequency range, GHz | 75 – 110                     |
| Insertion loss, dB             | 0.6 (male)<br>0.4 (female)   |
| VSWR                           | 1.30 (male)<br>1.50 (female) |
| Power, W                       | 2                            |

**NOMINAL IMPEDANCE:** 50 Ohm

**CONNECTOR TYPE:** 1.0 mm male/female

**WAVEGUIDE TYPE:** WR10

**FLANGE TYPE:** UG-387/U-M



### Ordering information:

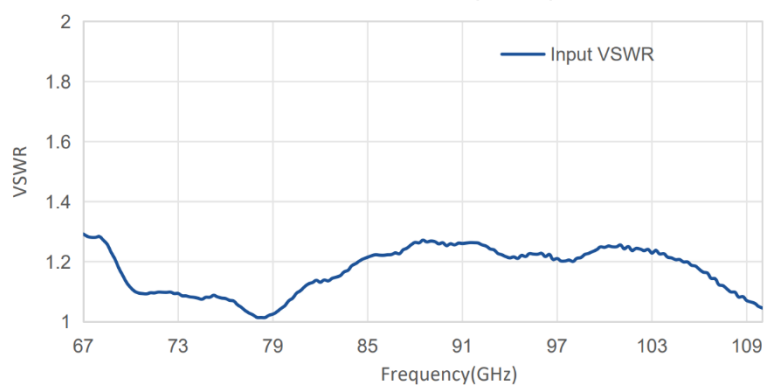
LBWT-WAC-75/110-C-WR10-1.0X — specify connector gender (Male or Female)

### Notes:

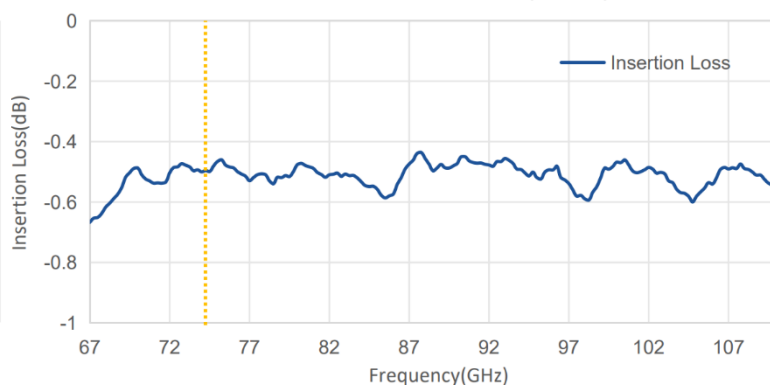
1. All outline dimensions are in mm, with a dimensional tolerance of  $\pm 5\%$ .

## LBWT-WAC-75/110-C-WR10-1.0M

### VSWR vs Frequency

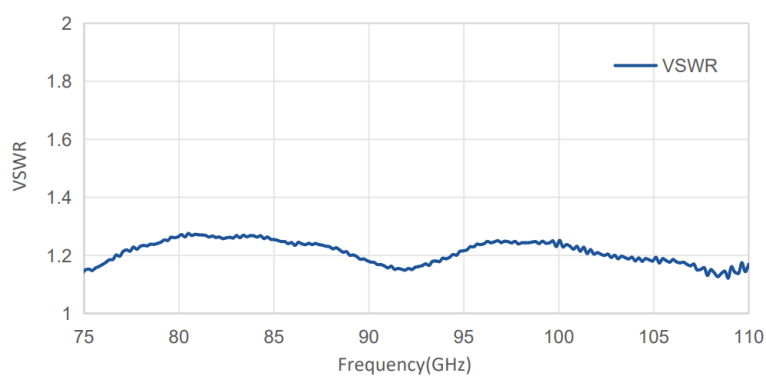


### Insertion loss vs Frequency



## LBWT-WAC-75/110-C-WR10-1.0F

### VSWR vs Frequency



### Insertion loss vs Frequency

