

## FWCA-12-1

### WR-12 to 1.0mm

Features:  
\* Low VSWR

Applications:  
\* Wireless  
\* Transmitter  
\* Laboratory Test  
\* Radar

#### Electrical

|                 |                                    |
|-----------------|------------------------------------|
| Frequency:      | 60.5~91.9GHz                       |
| VSWR:           | 1.38 max.<br>1.5 max. (End launch) |
| Insertion Loss: | 1dB max.                           |
| Impedance:      | 50Ω                                |

#### Mechanical

|                  |                   |
|------------------|-------------------|
| Coax Connectors: | 1.0mm             |
| Waveguide Size:  | WR-12             |
| Flange:          | UG-387/U          |
| Material:        | Gold plated brass |

#### Environmental

Operating Temperature: -55~+125°C

#### How To Order

##### FWCA-12-X-Y-Z

X : Connector type.

Y : Configuration type.

Z : Flange type if applicable.

Connector naming rules:

1F - 1.0mm Female (Outline A, Outline B)

1 - 1.0mm Male (Outline A, Outline B)

Configuration naming rules:

E - End launch (Outline A)

R - Right angle (Outline B)

Flange naming rules:

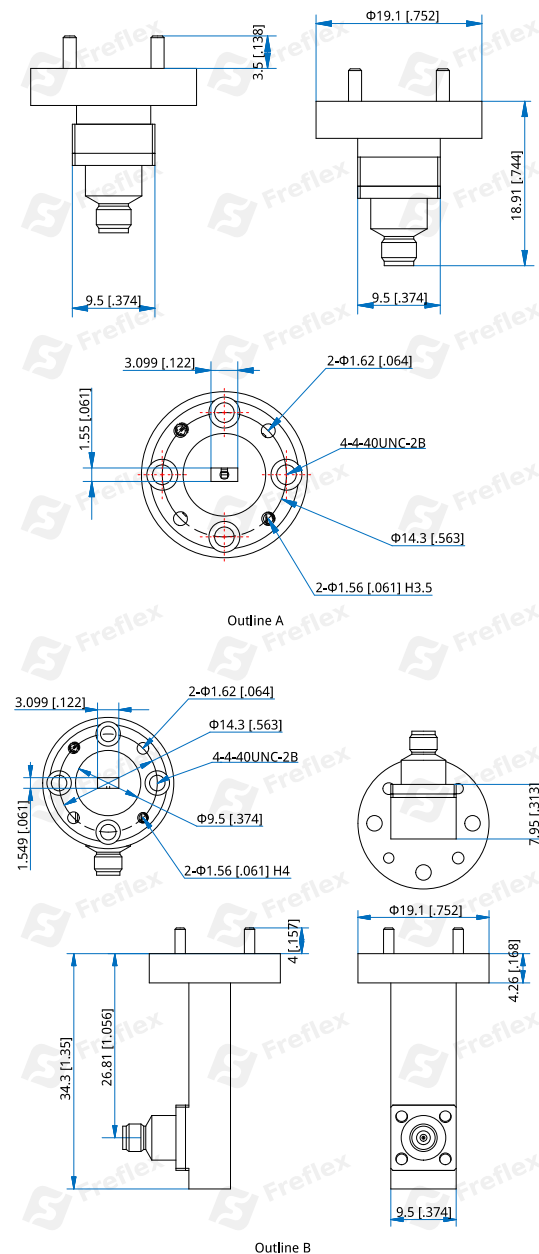
7 - UG-387/U (Outline A, Outline B)

Examples:

To order a waveguide to coax adapter, WR-12 to 1.0mm female, end launch, UG-387/U, specify FWCA-12-1F-E-7.

Customization is available upon request.

#### Outline Drawings



Unit: mm [in]

Tolerance:  $\pm 0.2$ mm [ $\pm 0.008$ in]