

# Standard Straight Waveguide, Full H Band, 170-260GHz, WR-04

2022-9-20

### Product Overview

AT Microwave provides standard straight waveguide with high performance. These straight waveguides are suitable for Labs test and high performance required applications.

AT Microwave offers straight waveguide covering 33-260GHz, with waveguide port from WR-22 to WR-04 with anti-cocking Flange.

More information, please visit [www.atmicrowave.com](http://www.atmicrowave.com)



### Advantages

- ✓ Rugged Application
- ✓ Low Insertion Loss
- ✓ Good Return Loss
- ✓ Low Cost, Fast Delivery

### Application

- ✓ Labs Test
- ✓ Radar System
- ✓ High Performance Application

### Key Features

| Parameter          | Min    | Typical    | Max    |
|--------------------|--------|------------|--------|
| Passband Frequency | 170GHz |            | 260GHz |
| Return Loss        | -15dB  | -20dB      |        |
| Length (Note)      |        | Customized |        |

Note: Popular length=1.0inch, 1.25inch, 2.0inch, 4.0inch





# AT-SSW-XX-WR04

WR-04 Standard Straight Waveguide

## Part Number Selection Guide

AT - SSW - XX - WRYY

SSW: Standard Straight Waveguide Section  
XX: Length in inch or mm

YY: Waveguide Port, from WR-22 to WR-04

For example, AT-SSW-2.0-WR10  
Frequency 75-110GHz, WR-10, Length=2.0inch

## Mechanical Information

| Item          | Description                                      |
|---------------|--|
| Port1         | WR-04 UG-387/U-M Flange with anti-cocking Flange |
| Port2         | WR-04 UG-387/U-M Flange with anti-cocking Flange |
| Case Material | Copper   |
| Finish        | Gold Plated                                      |

## PCN

| Date      | Description                    |
|-----------|--------------------------------|
| 2022-9-20 | Change to anti-cocking Flange. |

