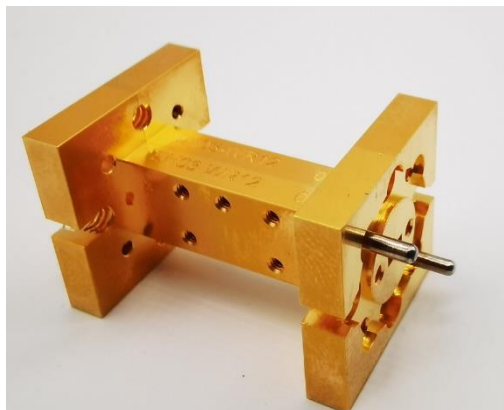


### AT-LPF-90-10A:

### 90GHz W Band Loss Pass Filter, WR-10



#### Product Overview

AT Microwave offers high performance band waveguide band-pass filter from 26.5-230GHz. Other frequency bands and rejection requirement can provide according to request.

Based on our excellent design work, precise machine tolerance and outstanding quality plating, we can provide band pass filter with low insertion loss, good return loss and high rejection at the same time.

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

#### Advantages

- ✓ Low Insertion Loss
- ✓ Good Return Loss
- ✓ High Stop Band Suppression
- ✓ Sharp Roll-Off

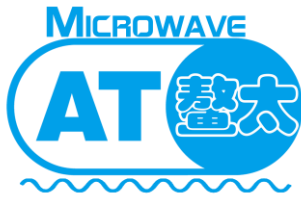
#### Application

- ✓ Automotive Radar Test
- ✓ FOD (Foreigner Objects Debris)
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

#### Key Features

| Parameter                     | Min  | Typical  | Max    |
|-------------------------------|------|----------|--------|
| Passband Frequency            |      | 62-90GHz |        |
| Passband Insertion Loss       |      | -1.0 dB  | -2.5dB |
| Passband Return Loss          | -8dB | -15 dB   |        |
| High End Rejection: 94-140GHz | -30  | -40dB    |        |
| Spec Temp                     |      | 25C      |        |





# AT-LPF-90-10A

W Band Waveguide Low-Pass Filter, WR-10

## Mechanical Information

| Item          | Description                                         |
|---------------|-----------------------------------------------------|
| Input Port    | WR-10 waveguide with UG-387/U-M anti-cocking Flange |
| Output Port   | WR-10 waveguide with UG-387/U-M anti-cocking Flange |
| Case Material | Copper                                              |
| Finish        | Gold Plated                                         |
| Weight        | 33g                                                 |
| Size:         | See Dimension                                       |

## Absolute Maximum Ratings Table

| Parameter             | Value        |
|-----------------------|--------------|
| Operating Temperature | -40 to +85C  |
| Storage Temperature   | -65 to +150C |

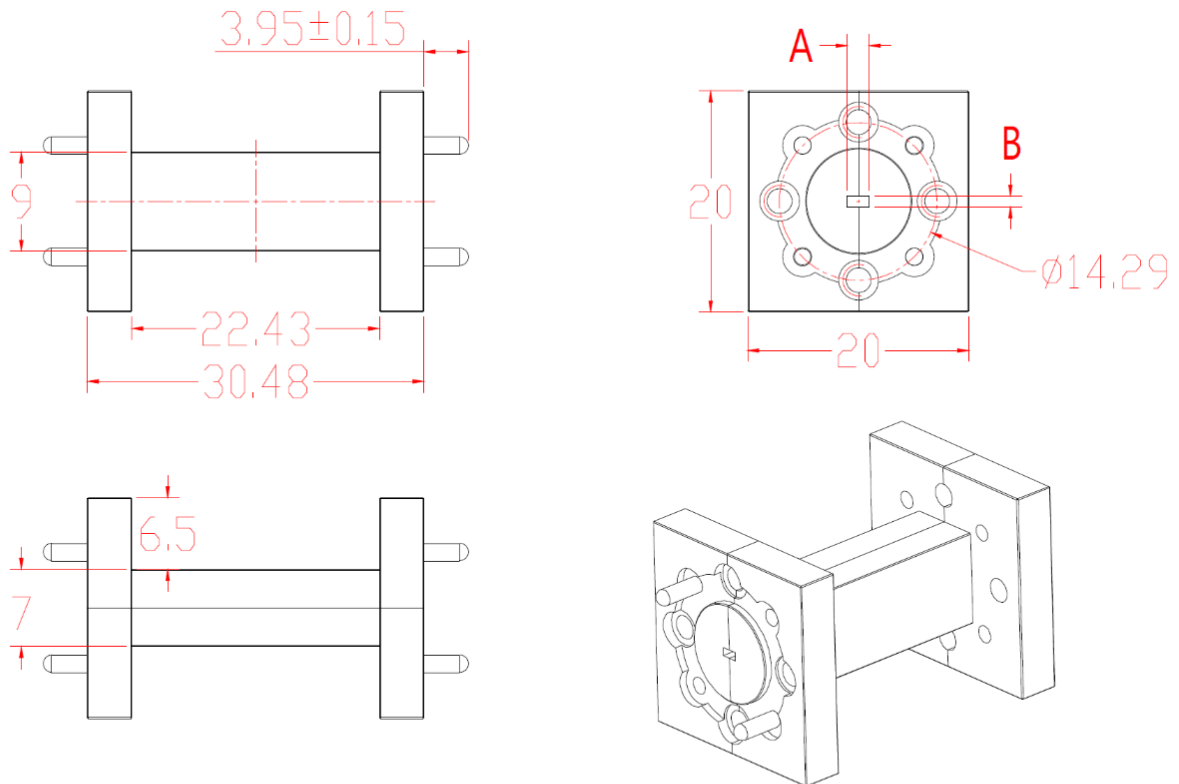
## Test Result

Performance may vary slight from unit to unit.

To be added.



### Dimension ( mm)



| Waveguide | A x B (inch) | A x B (mm)  |
|-----------|--------------|-------------|
| WR-15     | 0.148x0.074  | 37.59x18.80 |
| WR-12     | 0.122x0.061  | 30.99x15.49 |
| WR-10     | 0.100x0.050  | 25.40x12.70 |
| WR-08     | 0.080x0.040  | 20.32x10.16 |
| WR-06     | 0.065x0.032  | 16.51x8.25  |

