

## Full H-Band Compact Faraday Isolator 170-260GHz, WR-04

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### Description:

AT-ISO-04P2 is a full H-band(170-260GHz) compact faraday isolator. This isolator is with low insertion loss -5.0dB, and high isolation to 20dB.

AT Microwave provides compact faraday isolators from 33-260GHz, covering V to H bands.

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

### Feature

- ✓ Frequency: 170-260GHz
- ✓ Insertion Loss: -5.0dB
- ✓ Isolation: 20dB
- ✓ Compact Size

### Application

- ✓ mmWave Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

### Electronical Specifications:

Parameter	Min	Typical	Max
Frequency		170-260GHz	
Insertion Loss		-3.5dB	-5.0
Isolation	16dB	20dB	
Return Loss		-14dB	
Power Handling			100mW CW
Spec Temp		25C	
Operating Temp	-45C		85C



## Mechanical Information

Item	Description
Input Port	WR-04 Waveguide with UG-387/U-M anti-cocking Flange
Output Port	WR-04 Waveguide with UG-387/U-M anti-cocking Flange
Case Material	Copper
Finish	Gold Plated
Weight	65g
Size:	SEE OUTLINE

## Absolute Maximum Ratings Table

Parameter	Value
RF Input Power	+20dBm
Operating Temperature	-40 to +85C
Storage Temperature	-55 to +105C

## Outline (unit mm)

