

Waveguide to Coaxial Adapter WR-06 to 0.8mm Male, Right Angle

2025-11-1



Product Overview

AT-WC-0608M-R1 is a right angle WR-06 to 0.8mm waveguide to coaxial adapter. It covers frequency 110-145GHz. It can also work to 170GHz with some degrade of performance.

These waveguide to coaxial adapters are with good return loss and low insertion loss. Both Female and Male coaxial connectors are available.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Low Insertion Loss
- ✓ Low Return Loss
- ✓ Low Cost
- ✓ Fast Delivery Time

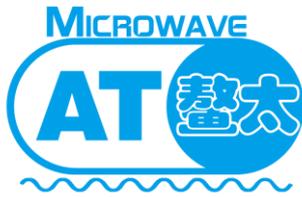
Application

- ✓ 5G & 6G Systems
- ✓ System Setups
- ✓ Accurate System Measurements
- ✓ General Labs Test

Key Features

Parameter	Min	Typical	Max
Frequency		110-145GHz	
Insertion Loss		1.0dB	2.5dB
Return Loss		-10dB	
Power Handling			2W CW
Spec Temp		25C	
Operating Temp	-40C		85C





AT-WC-0608M-R1

Waveguide WR-06 to 0.8mm Adapter

Mechanical Information

Item	Description
Waveguide port	WR-06 Waveguide UG-387/U-M Flange
Coaxial Port	0.8mm Male
Material Type	Copper
Finish	Gold Plated
Weight	30g

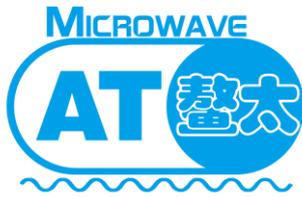
Absolute Maximum Ratings Table

Parameter	Value
RF Input Power	2W
Operating Temperature	-40 to +85C
Storage Temperature	-50 to +125C

Selection Guide

Item	Description
AT-WC-0608F-R1	WR-06 to 0.8mm Female Adapter
AT-WC-0608M-R1	WR-06 to 0.8mm Male Adapter



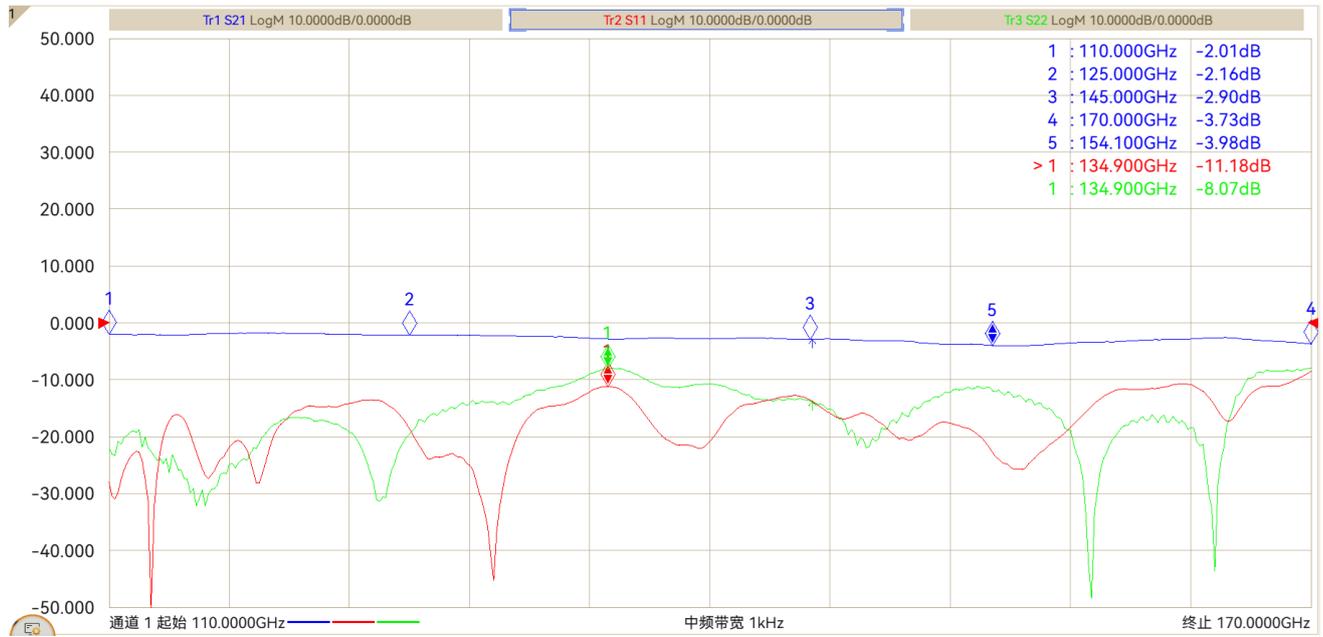


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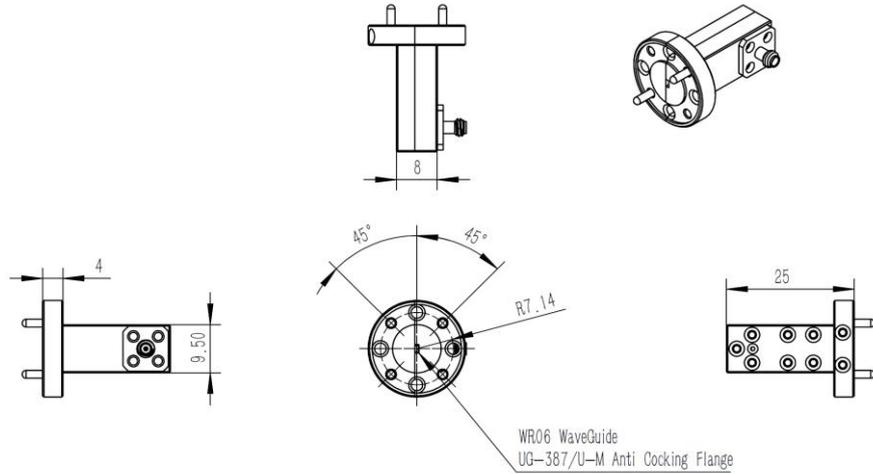
Waveguide WR-06 to 0.8mm Adapter

TEST DATA(25C)

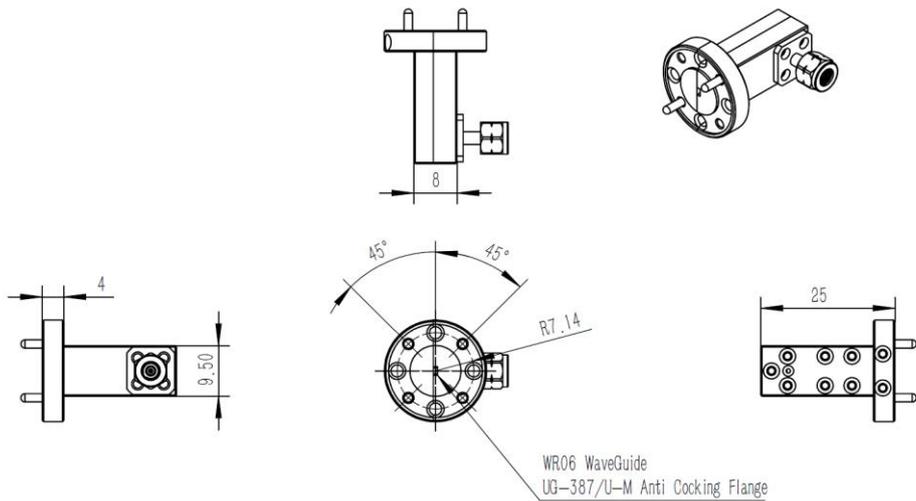
Please note that the following data is test by AT-WC-0608F-R1 and AT-WC-0608M-R1 back to back together. The insertion loss is half of following S21 data.



Outline(unit mm)



AT-WC-0608F-R1



AT-WC-0608M-R1

