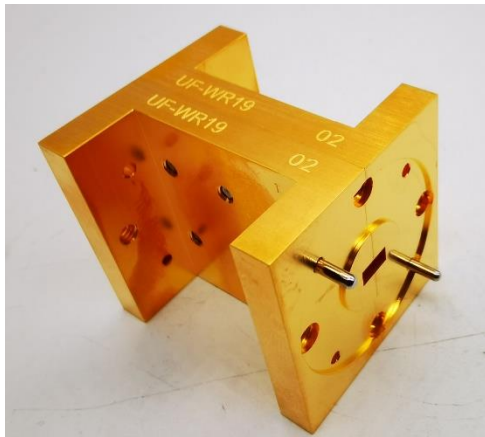


### AT-BPF-4555-19: 45-55GHz BPF, WR-19

2022-4-20



#### 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		45-55GHz	
Passband Insertion Loss		-1.0 dB	-2.5dB
Passband Return Loss	-8dB	-15 dB	
Low End Rejection: DC-40GHz	-35	-40dB	
High End Rejection: 60-75GHz	-35	-40dB	
Spec Temp		25C	



### Mechanical Information

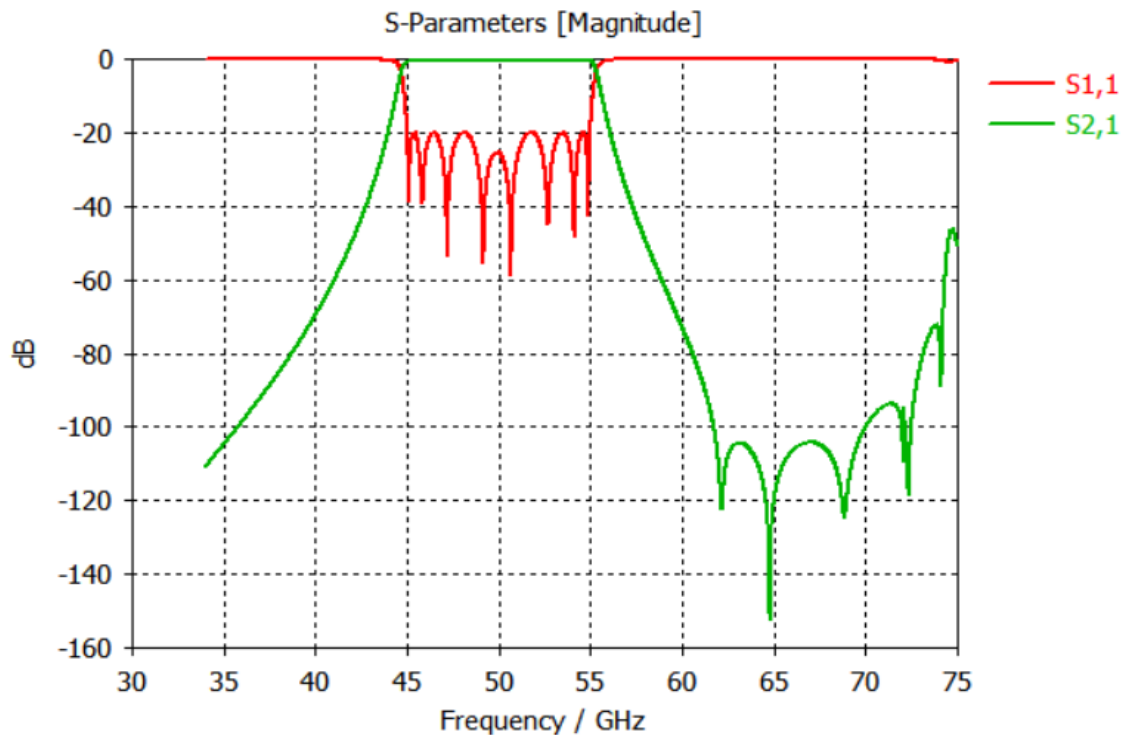
Item	Description
Input Port	WR-19 UG383/U-M
Output Port	WR-19 UG383/U-M
Case Material	Brass
Finish	Gold Plated
Weight	135g
Size:	See Dimension

### Absolute Maximum Ratings Table

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

### Simulation Result

Performance may vary slight from test and simulation



### Dimension ( mm)

