

AT-BPF-140148: 140-148GHz Band-Pass Filter



Product Overview

AT Microwave offers high performance band waveguide band-pass filter from 26.5-170GHz. 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

Advantages

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

Application

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

Key Features

Parameter	Min	Typical	Max
Center Frequency		140-148GHz	
Insertion Loss		-1.0 dB	-2.5
Passband Return Loss		-15 dB	
Low Rejection Frequency		110-130GHz	
Low Band Rejection		-20 dB	
High Rejection Frequency		153-170GHz	
Low Band Rejection		-20 dB	
RF Input/output Port		WR-06	
Spec Temp		25C	



Mechanical Information

Item	Description
Input Port	WR-06
Output Port	WR-06
Case Material	Brass
Finish	Gold Plated
Weight (Without Heatsink)	22g
Size:	See outline

Absolute Maximum Ratings Table

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

Dimension: (tbd)

