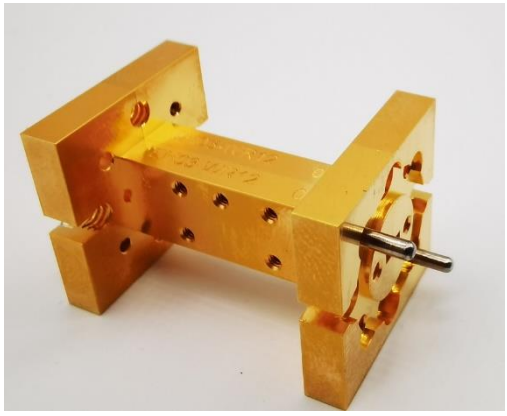
AT-LPF-90-10:
90GHz W Band Loss Pass Filter, WR-10

2022-3-2



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

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-90-10

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.

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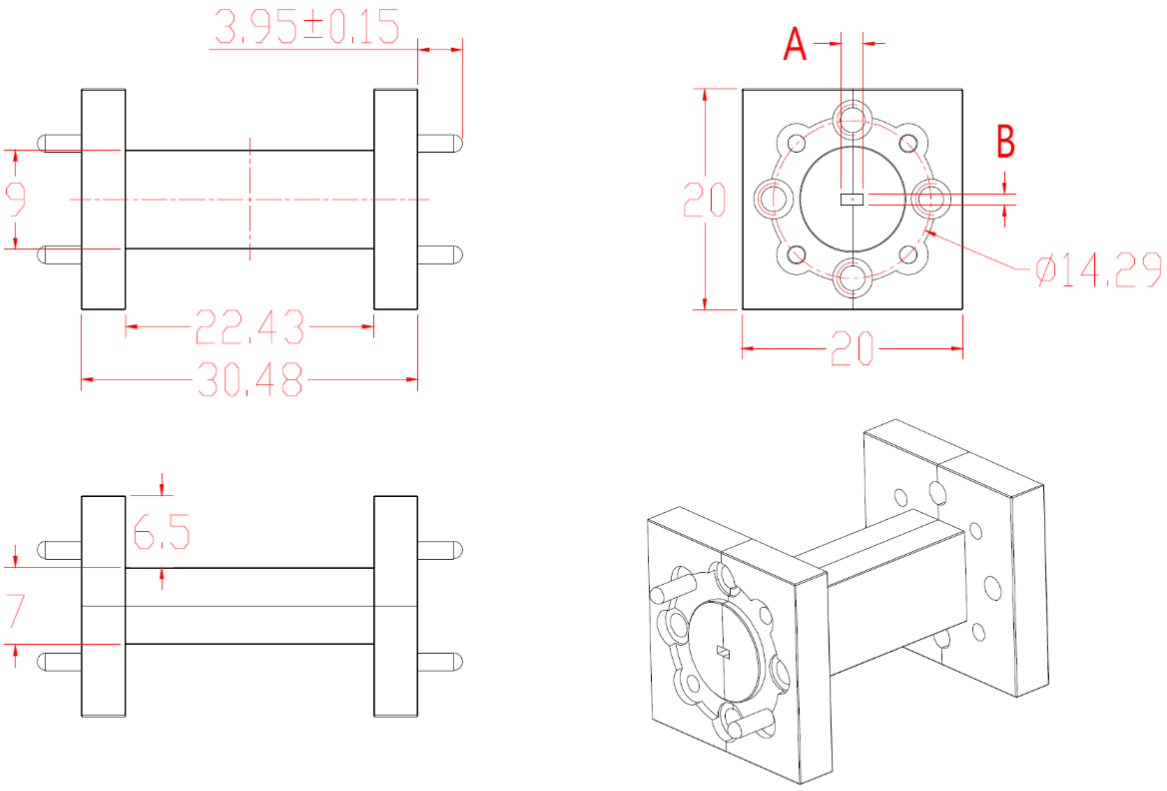
Dimension (mm)



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

Shanghai AT Microwave Limited

Tel:021-6229 1233 Email:sales@atmicrowave.com www.atmicrowave.com