

# Coaxial Passive Diplexer, 2.92mm

## Low Pass 9-16GHz, High Pass 20-40GHz



### Product Overview

AT Microwave offers high performance coaxial filter from low frequency to 67GHz, including BPF-Band Pass Filter, LPF-Low Pass Filter and HPF-High Pass Filter.

The diplexer is combined by a high pass filter and low pass filter, based MMIC technology. Other connector is available according to request.

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

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

### Key Features:

Parameter	Min	Typical	Max
Low Pass Band Frequency		9-16GHz	
Pass Band Insertion Loss		-3.0dB	-5dB
Rejection @DC-6GHz	-25dBc	-30dBc	
Rejection @24-40GHz	-20dBc	-30dBc	
Pass Return Loss	-8dB	-15dB	
High Pass Band Frequency		20-40GHz	
Pass Band Insertion Loss		-3.0dB	-5dB
Rejection @DC-16GHz	-25dBc	-30dBc	
Pass Return Loss	-8dB	-15dB	
Spec Temp		25C	





# AT-DIP-0940HC

Coaxial Diplexer

## Mechanical Information

Item	Description
RF Com	2.92mm Female
RF Low band	SMA Female
RF High Band	2.92mm Female
Case Material	Brass
Finish	Gold Plated
Weight	25g
Size:	See outline

## Absolute Maximum Ratings Table

Parameter	Value
RF Power	+27dBm
Operating Temperature	-40 to +85C
Storage Temperature	-65 to +150C

## Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.

## Test Result

Performance may vary slight from unit to unit.

To be added.

## Dimension: (unit: mm)

To be added.

