

# FDC1220D

## High Power, High Isolation

Features:  
 \* High Power  
 \* High Isolation  
 \* Low Insertion Loss  
 \* Low VSWR

Applications:  
 \* Wireless  
 \* Radar  
 \* Laboratory Test

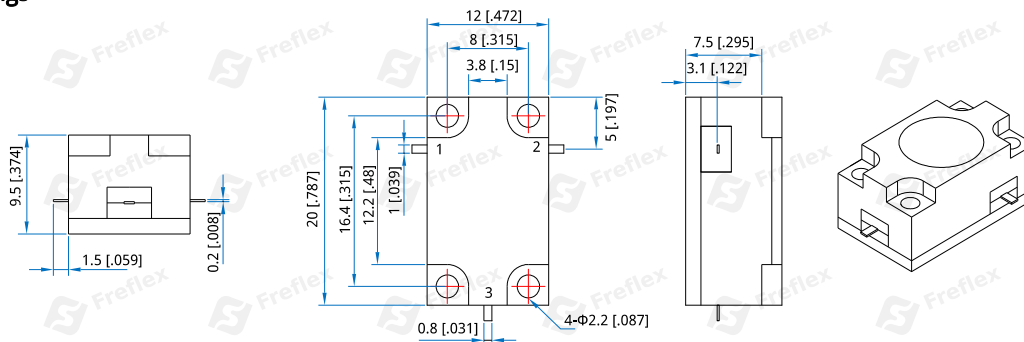
### Description

FDC1220D series Drop-In Circulators cover frequency range 5~6.5GHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

### Specifications

Frequency (MHz)	Bandwidth (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Temperature (°C)
5100~5900	800	0.50	18.0	1.30	60	-30~+70
5150~5500	350	0.40	20.0	1.25	60	-30~+70
5230~5340	110	0.30	23.0	1.20	60	-30~+70
5400~5900	500	0.40	20.0	1.25	60	-30~+70
5700~5900	200	0.30	23.0	1.20	60	-30~+70
5780~6000	220	0.30	23.0	1.25	60	-30~+70
5800~6500	700	0.40	20.0	1.25	60	-30~+70
6500~7000	500	0.40	20.0	1.25	60	-30~+70

### Outline Drawings



Unit: mm [inch] Tolerance:  $\pm 0.2\text{mm}$  [ $\pm 0.008\text{in}$ ]

### Mechanical

Size<sup>\*1</sup>: 12\*20\*9.5mm  
 0.472\*0.787\*0.374in  
 Connector Type: Strip line  
 Mounting: 4-Φ2.2mm through-hole

[1] Exclude connectors

### Direction Naming Rules:

1 - Clockwise  
 2 - Anticlockwise

### How To Order

#### FDC1220D-W-X-Y-Z

W: Start frequency in MHz  
 X: Stop frequency in MHz  
 Y: Average Power in W  
 Z: Direction type

#### Examples:

To order a FDC1220D series Circulator, 5.7~6GHz, 50W, Clockwise, specify FDC1220D-5700-6000-50-1.

Customization is available upon request.