

FDC0915D

High Power, High Isolation

Features:

- * High Power
- * High Isolation
- * Low Insertion Loss
- * Low VSWR

Applications:

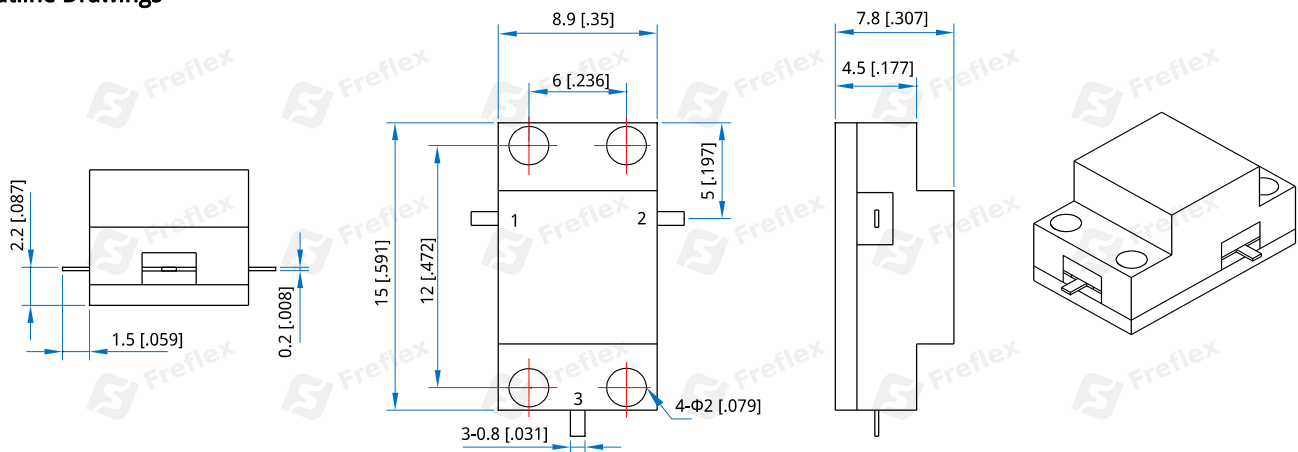
- * Wireless
- * Radar
- * Laboratory Test

Description

FDC0915D series Drop-In Circulators cover frequency range 7~16GHz. 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)
7000~9000	2000	0.50	18.0	1.30	10~30	-30~+70
7700~8100	400	0.40	20.0	1.25	10~30	-30~+70
8000~10000	2000	0.40	18.0	1.30	10~30	-30~+70
8000~12000	4000	0.60	17.0	1.35	10~30	-30~+70
8300~8500	200	0.30	23.0	1.20	10~30	-30~+70
8900~9600	700	0.40	20.0	1.25	10~30	-30~+70
9000~10000	1000	0.40	20.0	1.25	30	-30~+75
9200~9500	300	0.30	23.0	1.20	10~30	-30~+70
9500~10500	1000	0.40	20.0	1.25	10~30	-30~+70
10300~11900	1600	0.40	19.0	1.25	50	-30~+75
10500~12500	2000	0.40	20.0	1.20	10~30	-30~+70
11000~14000	3000	0.60	18.0	1.35	10~30	-30~+70
12000~18000	6000	0.60	17.0	1.35	10~30	-30~+70
13700~14500	800	0.40	20.0	1.20	10~30	-30~+70
15000~15400	400	0.35	23.0	1.20	10~30	-30~+70
15700~16000	300	0.40	20.0	1.20	10~30	-30~+70

Outline Drawings


Unit: mm [inch]

Tolerance: ±0.2mm [±0.008in]

Mechanical

Size^{*1}: 8.9*15*7.8mm
0.35*0.591*0.307in
Connector Type: Strip line
Mounting: 4-Φ2mm through-hole

[1] Exclude connectors

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order**FDC0915D-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 FDC0915D series Circulator, 15.7~16GHz, 30W, Clockwise, specify FDC0915D-15700-16000-30-1.

Customization is available upon request.