

FDI0915D

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

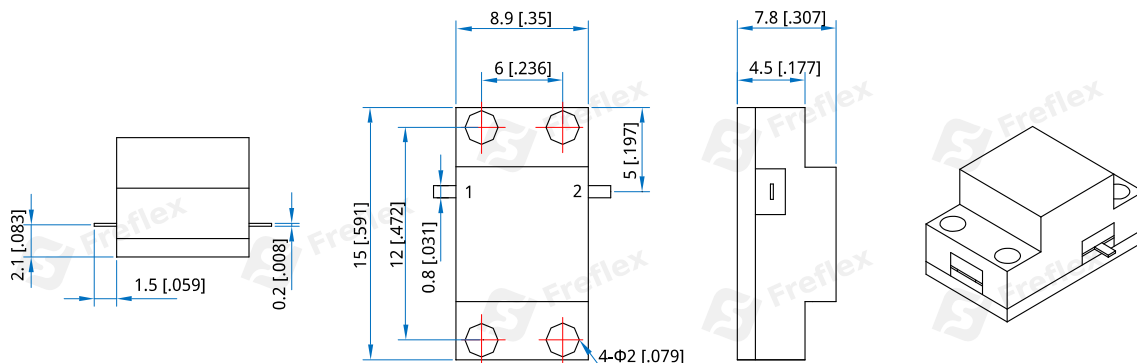
Description

FDI0915D series Drop-In Isolators 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.)	Fwd Power (W Max.)	Rev Power (W)	Temperature (°C)
7000~9000	2000	0.50	18.0	1.30	30	10	-30~+70
7700~8100	400	0.40	20.0	1.25	30	10	-30~+70
7800~8500	700	0.50	18.0	1.30	30	10	-40~+75
8000~10000	2000	0.40	18.0	1.30	30	10	-30~+70
8000~12000	4000	0.60	17.0	1.35	30	10	-30~+70
8300~8500	200	0.30	23.0	1.20	30	10	-30~+70
8700~9700	1000	0.50	18.0	1.30	30	10	-30~+75
8900~9600	500	0.40	20.0	1.25	30	10	-30~+70
9000~9600	600	0.40	20.0	1.25	35	10	-40~+85
9200~9500	300	0.30	23.0	1.20	30	10	-30~+70
9500~10500	1000	0.40	20.0	1.25	30	10	-30~+70
10500~12500	2000	0.40	20.0	1.20	30	10	-30~+70
11000~14000	3000	0.60	18.0	1.35	30	10	-30~+70
12000~18000	6000	0.60	17.0	1.35	30	10	-30~+70
13700~14500	800	0.40	20.0	1.20	30	10	-30~+70
14250~15350	1100	0.30	21.0	1.25	30	10	-30~+75
15000~15400	400	0.35	23.0	1.20	30	10	-30~+70
15700~16000	300	0.40	20.0	1.20	30	10	-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 and terminations.

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order**FDI0915D-V-W-X-Y-Z**

V: Start frequency in MHz
W: Stop frequency in MHz
X: Forward Power in W
Y: Reverse Power in W
Z: Direction type

Examples:

To order a FDI0915D series Isolator, 7~9GHz, Forward power 30W,
Reverse power 10W, Clockwise, specify
FDI0915D-7000-9000-30-10-1.

Customization is available upon request.