

FDI7070X

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

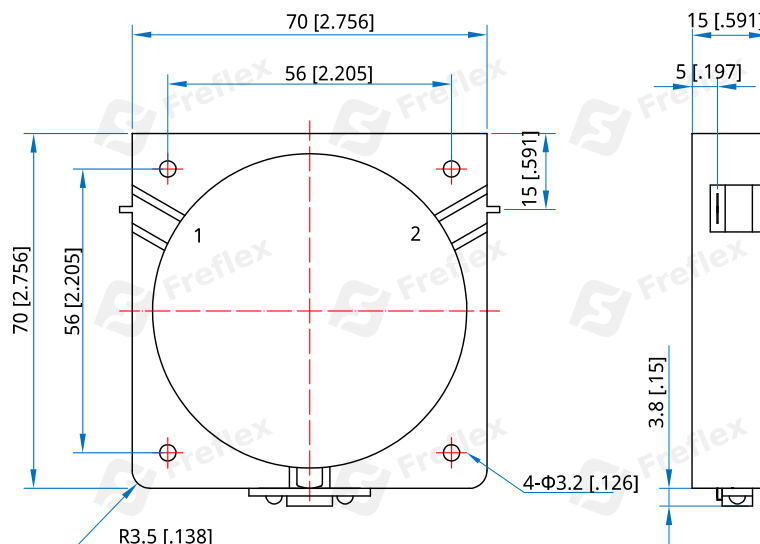
Description

FDI7070X series Drop-In Isolators cover frequency range 130~200MHz. 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)
130~160	2	0.50	20.0	1.25	500	10~100	-20~+70
130~160	5	0.60	18.0	1.30	500	10~100	-20~+70
150~180	30	0.60	18.0	1.30	500	10~100	-20~+70
160~200	10	0.40	23.0	1.20	500	10~100	-20~+70
160~200	30	0.50	20.0	1.25	500	10~100	-20~+70
160~190	30	0.50	10.0	1.25	500	10~100	-20~+70

Outline Drawings



Unit: mm [inch]

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

Mechanical

Size*1: 70*70*15mm
2.756*2.756*0.591in
Connector Type: Strip line
Mounting: 4-Φ3.2mm through-hole

[1] Exclude connectors and terminations.

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order**FDI7070X-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 FDI7070X series Isolator, 180~200MHz, Forward power 500W, Reverse power 10W, Clockwise, specify FDI7070X-180-200-K5-10-1.

Customization is available upon request.