

FDI6060H

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

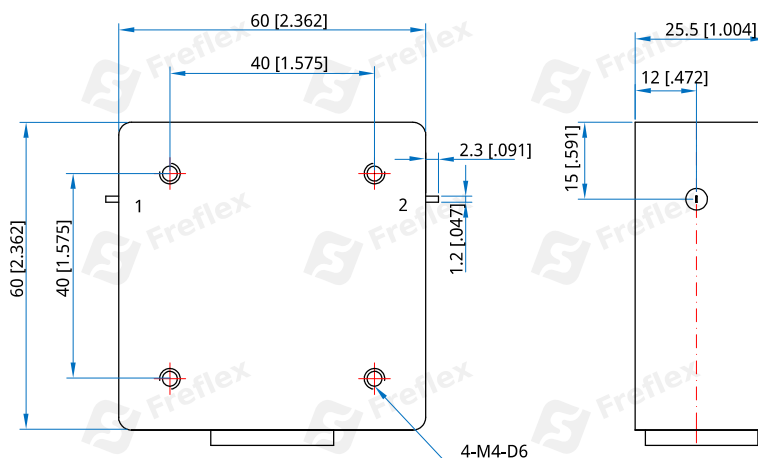
Description

FDI6060H series Drop-In Isolators cover frequency range 20~400MHz. 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)
20~30	0	2.0	18.0	1.30	100	10~100	-20~70
30~80	0	1.20	20.0	1.25	100	10~100	-20~70
30~80	5	1.80	18.0	1.30	100	10~100	-20~70
88~108	20	0.60	20.0	1.25	100	10~100	-20~70
100~140	40	1.20	18.0	1.30	100	10~100	-20~70
108~118	10	0.50	20.0	1.20	100	10~100	-20~70
116~138	22	0.60	20.0	1.25	100	10~100	-20~70
130~180	50	0.60	20.0	1.25	100	10~100	-20~70
136~174	38	0.50	20.0	1.25	100	10~100	-20~70
150~170	20	0.40	20.0	1.20	100	10~100	-20~70
170~230	60	0.60	20.0	1.25	100	10~100	-20~70
225~400	175	0.80	18.0	1.30	100	10~100	-20~70

The size of the termination varies according to the reverse power

Outline Drawings


Unit: mm [inch]

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

Mechanical

Size*1: 60*60*25.5mm
2.362*2.362*1.004in

Connector Type: Strip line

Mounting: 4-M4, depth 6mm

[1] Exclude connectors and terminations.

Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

How To Order

FDI6060H-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 FDI6060H series Isolator, 60~88MHz, Forward power 100W, Reverse power 10W, Clockwise, specify FDI6060H-60-88-K1-10-1.

Customization is available upon request.