

FDI5032X

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

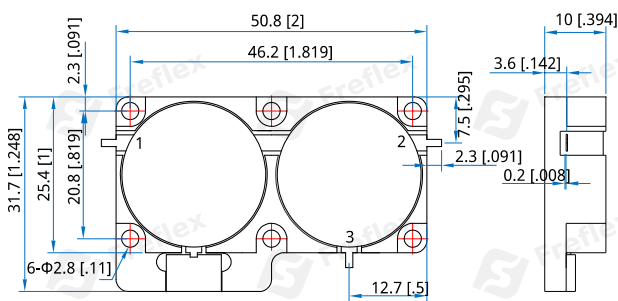
Description

FDI5032X series Drop-In Isolators cover frequency range 450~2700MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

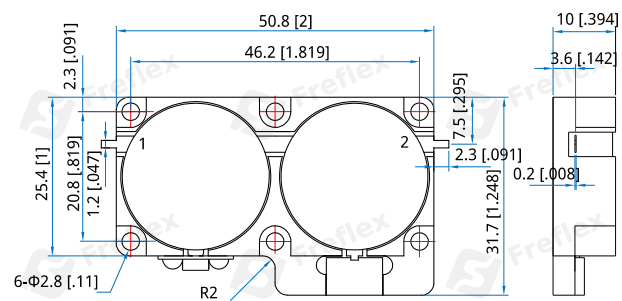
Specifications

Frequency (MHz)	Bandwidth (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Fwd Power (W Max.)	Rev Power (W)	Temperature (°C)
450~470	20	0.80	45.0	1.25	250	10~100	-30~+70
725~825	100	0.80	40.0	1.20	250	10~100	-30~+70
805~824	19	0.50	60.0	1.20	250	10~100	-30~+70
850~869	19	0.50	60.0	1.20	250	10~100	-30~+70
860~960	100	0.80	40.0	1.20	250	10~100	-30~+70
1800~2170	370	0.80	40.0	1.25	250	10~100	-30~+70
2110~2170	60	0.60	50.0	1.20	250	10~100	-30~+70
2300~2700	400	0.80	38.0	1.25	250	10~100	-30~+70

Outline Drawings



Outline A



Outline B

Unit: mm [inch]

Tolerance: ±0.2mm [±0.008in]

Mechanical

Size*1: 50.8*31.7*10mm
2*1.248*0.394in

Connector Type: Strip line

Mounting: 6-Φ2.8mm through-hole

[1] Exclude connectors and terminations.

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order

FDIA5032X-V-W-X-Y-Z - Outline A

FDIB5032X-V-W-X-Y-Z - Outline B

V: Start frequency in MHz



Dual Junction Drop-In Isolators

W: Stop frequency in MHz

X: Forward Power in W

Y: Reverse Power in W

Z: Direction type

Examples:

To order a FDIA5032X series Isolator, 450~470MHz, Forward power 200W, Reverse power 10W, Clockwise, specify FDIA5032X-450-470-K2-10-1.

Customization is available upon request.