

FCI23085H

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

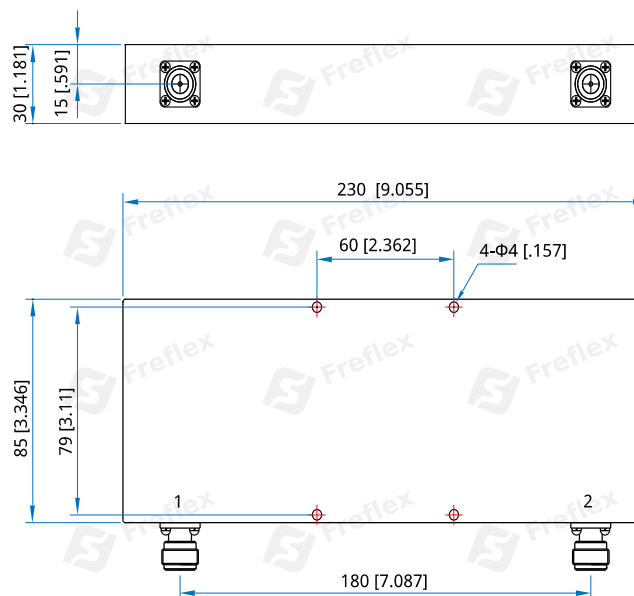
Description

FCI23085H series Coaxial Isolators cover frequency range 70~230MHz. 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)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Fwd Power*1 (W Max.)	Rev Power (W)	Connector	Temperature (°C)
87~108	21	1.80	60.0	1.25	150	100	SMA, N	-30~+75
116~138	22	1.80	60.0	1.25	150	100	SMA, N	-30~+75
130~180	50	1.80	60.0	1.25	150	100	SMA, N	-30~+75
136~154	18	1.80	70.0	1.25	150	100	SMA, N	-30~+75
154~176	22	1.80	70.0	1.25	150	100	SMA, N	-30~+75
136~174	38	1.80	60.0	1.25	150	100	SMA, N	-30~+75
150~200	50	1.80	60.0	1.25	150	100	SMA, N	-30~+75
170~230	60	1.80	60.0	1.25	150	100	SMA, N	-30~+75

[1] The connector is SMA, and the maximum forward power can only reach 100W.

Outline Drawings


Unit: mm [inch]

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

Mechanical

Size*2: 230*85*30mm
9.055*3.346*1.181in

Mounting: 4- Φ 4mm through-hole

[2] Exclude connectors and terminations.

Connector Naming Rules:

N - N Female

S - SMA Female

Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

How To Order

FCI23085H-U-V-W-X-Y-Z

U: Start frequency in MHz

V: Stop frequency in MHz

W: Forward power in W

X: Reverse power in W

Y: Connector type

Z: Direction type

Examples:

To order a FCI23085Hseries Isolator, 87~108MHz, Forward power 150W, Reverse power 100W, N female, Clockwise, specify FCI23085H-87-108-K15-K1-N-1.

Customization is available upon request.