

FCI12060H

High Power, High Isolation

Features:
 * High Power
 * High Isolation
 * Low Insertion Loss
 * Low VSWR

Applications:
 * Wireless
 * Radar
 * Laboratory Test

Description

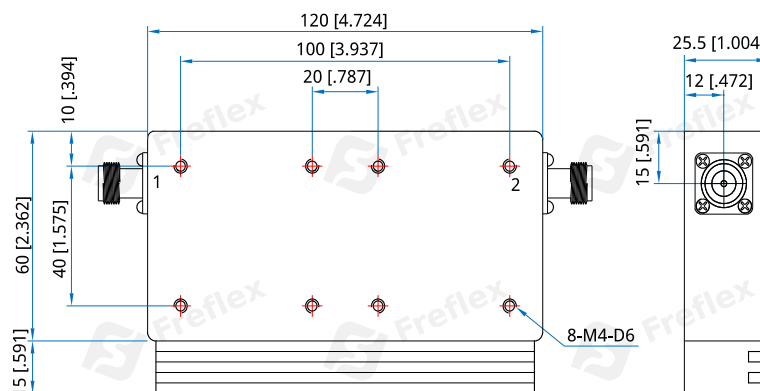
FCI12060H series Coaxial Isolators cover frequency range 70~230MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

Specifications

Frequency (MHz)	Bandwidth (MHz)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Fwd Power* ¹ (W Max.)	Rev Power (W)	Connector	Temperature (°C)
70~80	10	2.0	40.0	1.30	150	10~100	SMA, N	-30~+70
88~108	20	1.2	40.0	1.20	150	10~100	SMA, N	-30~+70
108~112	4	1.2	45.0	1.20	150	10~100	SMA, N	-30~+70
110~120	10	1.2	45.0	1.20	150	10~100	SMA, N	-30~+70
117~138	21	1.2	40.0	1.20	150	10~100	SMA, N	-30~+70
130~170	40	1.3	40.0	1.30	150	10~100	SMA, N	-30~+70
135~145	10	1.0	45.0	1.25	150	10~100	SMA, N	-30~+70
136~174	38	1.2	40.0	1.20	150	10~100	SMA, N	-30~+70
140~160	20	1.0	45.0	1.20	150	10~100	SMA, N	-30~+70
150~180	30	1.2	40.0	1.20	150	10~100	SMA, N	-30~+70
157~168	11	1.0	50.0	1.20	150	10~100	SMA, N	-30~+70
160~190	30	1.2	40.0	1.20	150	10~100	SMA, N	-30~+70
174~230	56	1.2	40.0	1.20	150	10~100	SMA, N	-30~+70

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

Outline Drawings



Unit: mm [inch] Tolerance: ±0.2mm [±0.008in]

Mechanical

Size*2: 120*60*25.5mm
4.724*2.362*1.004in

Mounting: 8-M4, depth 6mm

[2] Exclude connectors and terminations.

Connector Naming Rules:

N - N Female

Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

How To Order

FCI12060H-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 FCI12060H series Isolator, 70~80MHz, Forward power 150W, Reverse power 100W, N female, Clockwise,, specify FCI12060H-70-80-K15-K1-N-1.

Customization is available upon request.