

FCI9650H

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

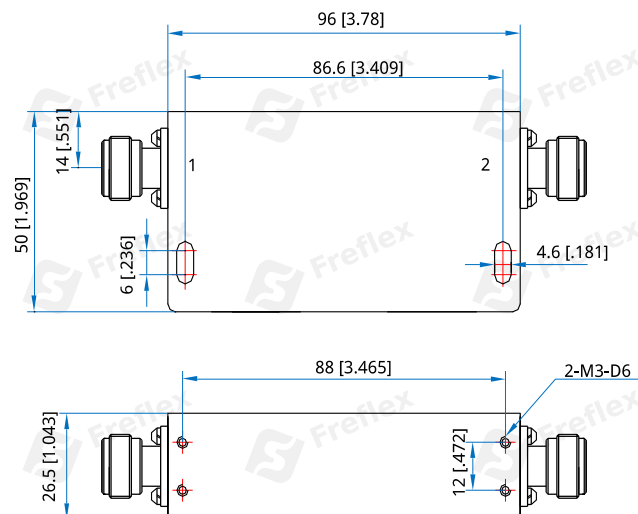
Description

FCI9650H series Coaxial Isolators cover frequency range 350–470MHz. 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)
350–370	20	0.50	50.0	1.20	150	100	SMA, N	-30~+70
361–366	5	0.40	60.0	1.15	150	100	SMA, N	-30~+70
380–400	20	0.60	50.0	1.20	150	100	SMA, N	-30~+70
400–430	30	0.60	50.0	1.20	150	100	SMA, N	-30~+70
400–470	70	0.70	40.0	1.25	150	100	SMA, N	-30~+70
438–448	10	0.60	50.0	1.20	150	100	SMA, N	-30~+70
443–453	10	0.60	50.0	1.20	150	100	SMA, N	-30~+70
450–470	20	0.60	50.0	1.20	150	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: 96*50*26.5mm
3.78*1.969*1.043in

Mounting: 2-M3, depth 6mm

[2] Exclude connectors and terminations.

Connector Naming Rules:

N - N Female

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order

FCI9650H-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 FCI9650H series Isolator, 361~366MHz, Forward power 150W, Reverse power 100W, N female, Clockwise, specify FCI9650H-361-366-K15-K1-N-1.

Customization is available upon request.