

FCI16080H

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

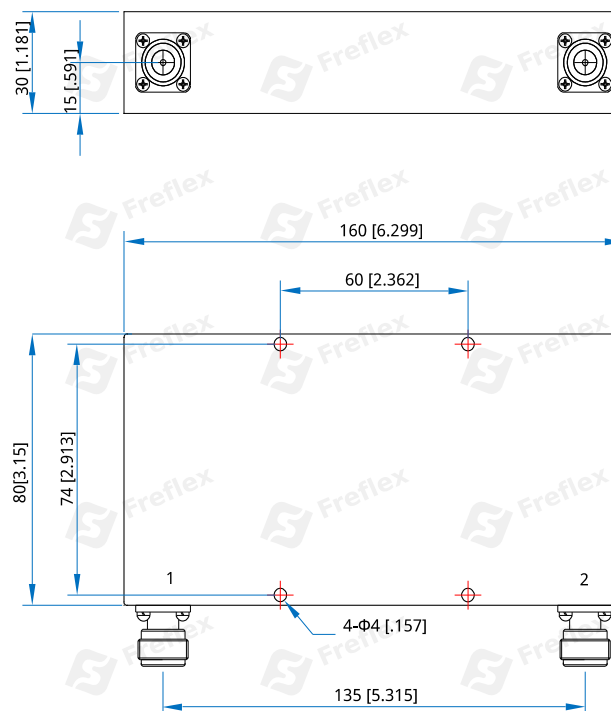
Description

FCI16080H series Coaxial Isolators cover frequency range 380~470MHz. 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)
380~400	20	1.0	70.0	1.25	300	100	SMA, N	-10~+60
380~420	40	1.0	60.0	1.25	300	100	SMA, N	-10~+60
400~420	20	1.0	70.0	1.20	300	100	SMA, N	-10~+60
400~440	40	1.0	60.0	1.25	300	100	SMA, N	-10~+60
400~470	70	1.2	60.0	1.25	300	100	SMA, N	-10~+60
430~440	10	1.0	75.0	1.20	300	100	SMA, N	-10~+60
460~470	10	0.8	75.0	1.20	300	100	SMA, N	-10~+60

[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: 160*80*30mm
6.299*3.15*1.181in

Mounting: 4- Φ 4mm through-hole

[2] Exclude connectors and terminations.

Connector Naming Rules:

N - N Female

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order

FCI16080H-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 FCI16080H series Isolator, 380~400MHz, Forward power 300W, Reverse power 100W, N female, Clockwise, specify FCI16080H-380-400--K3-K1-N-1.

Customization is available upon request.