

FCI12762H

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

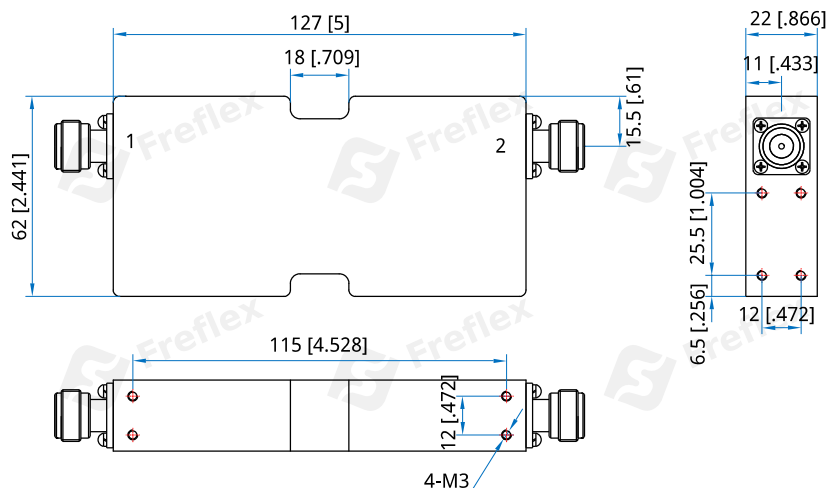
Description

FCI12762H series Coaxial Isolators cover frequency range 300~500MHz. 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)
300~500	10	0.60	45.0	1.20	300	10~100	SMA, N	-30~+70
361~366	5	0.40	60.0	1.20	300	10~100	SMA, N	-30~+70
390~400	10	0.60	50.0	1.25	300	10~100	SMA, N	-30~+70
420~430	10	0.60	50.0	1.20	300	10~100	SMA, N	-30~+70
430~470	40	0.80	45.0	1.20	300	10~100	SMA, N	-30~+70
460~470	10	0.60	50.0	1.20	300	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: $\pm 0.2\text{mm}$ [$\pm 0.008\text{in}$]

Mechanical

Size*2: 127*62*22mm
5*2.441*0.866in

Mounting: 4-M3

[2] Exclude connectors and terminations.

Connector Naming Rules:

N - N Female

Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

Dual Junction Coaxial Isolators

How To Order

FCI12762H-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 FCI12762H series Isolator, 390~400MHz, Forward power 300W, Reverse power 100W, N female, Clockwise, specify FCI12762H-390-400-K3-K1-N-1.

Customization is available upon request.