

FCI7448H

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

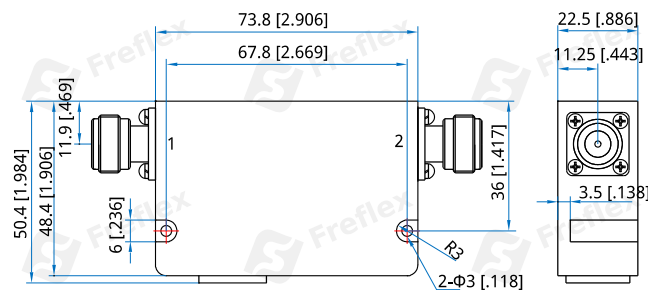
Description

FCI7448H series Coaxial Isolators cover frequency range 450~2700MHz. 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) |
|-----------------|-----------------|--------------|---------------------|-------------|----------------------|---------------|-----------|------------------|
| 450~470 | 20 | 0.80 | 45.0 | 1.25 | 250 | 10~100 | SMA, N | -30~+70 |
| 725~825 | 100 | 0.80 | 40.0 | 1.20 | 250 | 10~100 | SMA, N | -30~+70 |
| 805~824 | 19 | 0.50 | 60.0 | 1.20 | 250 | 10~100 | SMA, N | -30~+70 |
| 850~869 | 19 | 0.50 | 60.0 | 1.20 | 250 | 10~100 | SMA, N | -30~+70 |
| 860~960 | 100 | 0.80 | 40.0 | 1.20 | 250 | 10~100 | SMA, N | -30~+70 |
| 1800~2170 | 370 | 0.80 | 40.0 | 1.25 | 250 | 10~100 | SMA, N | -30~+70 |
| 2110~2170 | 60 | 0.60 | 50.0 | 1.20 | 250 | 10~100 | SMA, N | -30~+70 |
| 2300~2700 | 400 | 0.80 | 38.0 | 1.25 | 250 | 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: 73.8*48.4*22.5mm
2.906*1.906*0.886in

Mounting: 2-φ3mm through-hole

[2] Exclude connectors and terminations.

Connector Naming Rules:

N - N Female

Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

How To Order**FCI7448H -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 FCI7448H series Isolator, 450~470MHz, Forward power 200W, Reverse power 100W, N female, Clockwise, specify FCI7448-450-470-K2-K1-N-1.

Customization is available upon request.