

# FCI2528C

## High Power, High Isolation

**Features:**

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

**Applications:**

- \* Wireless
- \* Radar
- \* Laboratory Test

**Description**

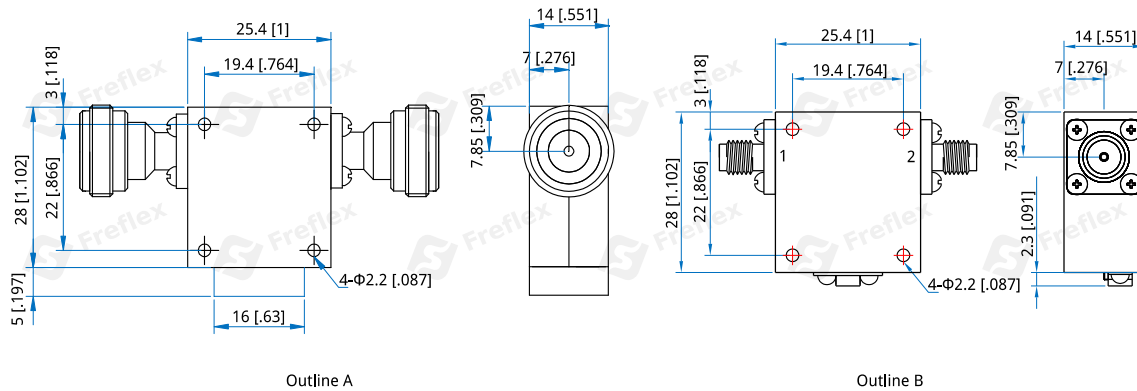
FCI2528C series Coaxial Isolators cover frequency range 2500~5900MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

**Specifications**

| Frequency<br>(MHz) | Bandwidth<br>(MHz) | IL<br>(dB Max.) | Isolation<br>(dB Min.) | VSWR<br>(Max.) | Fwd Power<br>(W Max.) | Rev Power<br>(W) | Connector | Temperature<br>(°C) |
|--------------------|--------------------|-----------------|------------------------|----------------|-----------------------|------------------|-----------|---------------------|
| 2500~6000          | 3500               | 0.90            | 17                     | 1.35           | 100                   | 20               | N         | 0~+60               |
| 2700~4500          | 1800               | 0.65            | 18                     | 1.30           | 100                   | 20               | N         | 0~+60               |
| 2700~6200          | 3500               | 0.80            | 16                     | 1.40           | 100, 60               | 20               | SMA, N    | 0~+60               |
| 3000~3600          | 600                | 0.60            | 19                     | 1.25           | 100                   | 20               | N         | -30~+70             |
| 3000~4200          | 1200               | 0.60            | 18                     | 1.30           | 100                   | 20               | N         | -30~+70             |
| 3000~4800          | 1800               | 0.60            | 18                     | 1.30           | 100                   | 20               | N         | -30~+70             |
| 3000~5000          | 2000               | 0.60            | 18                     | 1.25           | 100                   | 20               | N         | -30~+70             |
| 3000~6000          | 3000               | 0.60            | 18                     | 1.30           | 100, 60               | 100, 20          | SMA, N    | -30~+70             |
| 3200~6000          | 2800               | 0.60            | 18                     | 1.30           | 100                   | 20               | N         | -30~+70             |
| 3300~3800          | 500                | 0.50            | 20                     | 1.25           | 100                   | 20               | N         | -30~+70             |
| 3300~5000          | 1700               | 0.60            | 18                     | 1.30           | 100                   | 20               | N         | -30~+70             |
| 3400~3600          | 200                | 0.50            | 20                     | 1.20           | 100                   | 20               | N         | -30~+70             |
| 3400~4200          | 800                | 0.55            | 20                     | 1.25           | 100                   | 20               | N         | -30~+70             |
| 3700~4200          | 500                | 0.50            | 20                     | 1.20           | 100                   | 20               | N         | -30~+70             |
| 4000~5000          | 1000               | 0.60            | 20                     | 1.25           | 100                   | 20               | N         | -30~+70             |
| 4000~6000          | 2000               | 0.60            | 20                     | 1.25           | 100                   | 20               | N         | -30~+70             |
| 4400~5000          | 600                | 0.60            | 20                     | 1.25           | 100                   | 20               | N         | -30~+70             |
| 4400~5250          | 850                | 0.60            | 20                     | 1.20           | 100                   | 20               | N         | -30~+70             |
| 4400~5900          | 1500               | 0.60            | 20                     | 1.25           | 100                   | 20               | N         | -30~+70             |
| 4500~5250          | 750                | 0.60            | 20                     | 1.25           | 100                   | 20               | N         | -30~+70             |
| 4900~5800          | 900                | 0.60            | 20                     | 1.25           | 100                   | 20               | N         | -30~+70             |
| 5000~6000          | 1000               | 0.60            | 18                     | 1.30           | 100                   | 20               | N         | -30~+70             |
| 5000~6500          | 1500               | 0.60            | 18                     | 1.30           | 100                   | 20               | N         | -30~+70             |
| 5300~5900          | 600                | 0.60            | 20                     | 1.20           | 100                   | 20               | N         | -30~+70             |
| 5300~6300          | 1000               | 0.60            | 18                     | 1.30           | 100                   | 20               | N         | -30~+70             |
| 5400~5800          | 400                | 0.60            | 20                     | 1.25           | 100                   | 20               | N         | -30~+70             |

| Frequency (MHz) | Bandwidth (MHz) | IL (dB Max.) | Isolation (dB Min.) | VSWR (Max.) | Fwd Power (W Max.) | Rev Power (W) | Connector | Temperature (°C) |
|-----------------|-----------------|--------------|---------------------|-------------|--------------------|---------------|-----------|------------------|
| 5400~6200       | 800             | 0.60         | 18                  | 1.30        | 100                | 20            | N         | 0~+60            |
| 5500~6000       | 500             | 0.60         | 20                  | 1.25        | 100                | 20            | N         | 0~+60            |
| 5700~5880       | 180             | 0.60         | 23                  | 1.20        | 100                | 20            | N         | -30~+70          |
| 5700~5900       | 200             | 0.60         | 23                  | 1.25        | 100                | 20            | N         | -30~+70          |

## Outline Drawings



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

## Mechanical

Size\*1: 25.4\*28\*14mm  
1\*1.102\*0.551in

Mounting: 4-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

## Connector Naming Rules:

S - SMA Female (Outline B)

N - N Female (Outline A)

## Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

## How To Order

**FCI2528C-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 FCI2528C series Isolator, 3000~6000MHz, Forward power 60W, Reverse power 20W, SMA female, Clockwise, specify FCI2528C-3000-6000-60-20-S-1.

Customization is available upon request.