

# FCI1017C

## High Power, High Isolation

**Features:**

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

**Applications:**

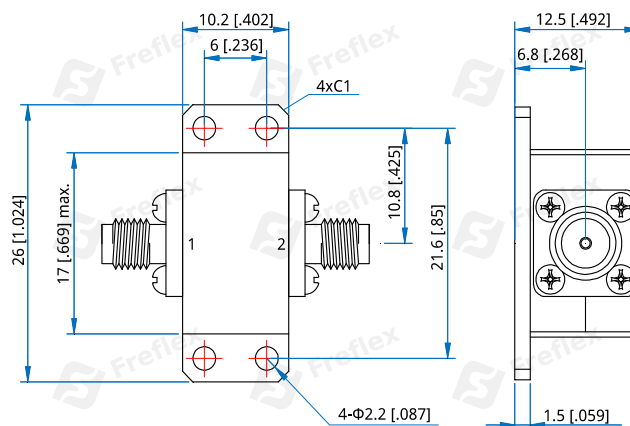
- \* Wireless
- \* Radar
- \* Laboratory Test

**Description**

FCI1017C series Coaxial Isolators cover frequency range 17~31GHz. 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 (W Max.) | Rev Power (W) | Connector | Temperature (°C) |
|-----------------|-----------------|--------------|---------------------|-------------|--------------------|---------------|-----------|------------------|
| 17000~20500     | 3500            | 0.60         | 20.0                | 1.30        | 10                 | 5             | 2.92mm    | -10~+60          |
| 17300~22300     | 5000            | 0.80         | 20.0                | 1.30        | 10                 | 5             | 2.92mm    | -10~+60          |
| 18000~26500     | 8500            | 0.90         | 20.0                | 1.30        | 10                 | 2             | 2.92mm    | -10~+60          |
| 22000~28000     | 6000            | 1.20         | 20.0                | 1.30        | 5                  | 1             | 2.92mm    | -10~+60          |
| 25000~28000     | 3000            | 1.00         | 20.0                | 1.30        | 5                  | 1             | 2.92mm    | -10~+60          |
| 27000~31000     | 4000            | 1.00         | 20.0                | 1.30        | 5                  | 1             | 2.92mm    | -10~+60          |

**Outline Drawings**


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

**Mechanical**

Size<sup>\*1</sup>: 10.2\*17\*12.5mm  
0.402\*0.669\*0.492in

Mounting: 4-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

**How To Order**

**FCI1017C-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

**Connector Naming Rules:**

K - 2.92mm Female

**Direction Naming Rules:**

1 - Clockwise

2 - Anticlockwise

**Examples:**

To order a FCI1017C series Isolator, 17~20.5GHz, Forward power 10W, Reverse power 5W, 2.92mm female, Clockwise, specify FCI1017C-17000-20500-10-5-K-1.

Customization is available upon request.