

## NCI1523C

### High Power, High Isolation

#### Features:

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

#### Applications:

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

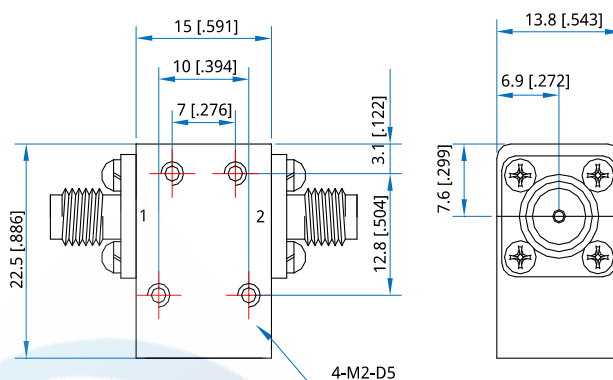
#### Description

NCI1523C series Coaxial Isolators cover frequency range 3600~7200MHz. 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) |
|--------------------|--------------------|-----------------|------------------------|----------------|-----------------------|------------------|-----------|---------------------|
| 3600~4200          | 600                | 0.50            | 18.0                   | 1.30           | 60                    | 10               | SMA       | -10~+60             |
| 4000~5000          | 1000               | 0.50            | 18.0                   | 1.30           | 60                    | 10               | SMA       | -10~+60             |
| 4500~5500          | 1000               | 0.40            | 20.0                   | 1.25           | 60                    | 10               | SMA       | -10~+60             |
| 5800~7200          | 1400               | 0.50            | 18.0                   | 1.35           | 60                    | 10               | SMA       | -10~+60             |

#### Outline Drawings



Unit: mm [inch]

Tolerance:  $\pm 0.2\text{mm}$  [ $\pm 0.008\text{in}$ ]

#### Mechanical

Size\*1: 15\*22.5\*13.8mm  
0.591\*0.886\*0.543in

Mounting: 4-M2, depth 5mm

[1] Exclude connectors and terminations.

#### Connector Naming Rules:

S - SMA Female

#### Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

#### How To Order

**NCI1523C-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 NCI1523C series Isolator, 3600~4200MHz, Forward power 60W, Reverse power 10W, SMA female, Clockwise, specify NCI1523C-3600-4200-60-10-S-1.

Customization is available upon request.