

# QCI5050A

## High Power, High Isolation

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

- Applications:**
- \* Wireless
  - \* Radar
  - \* Laboratory Test

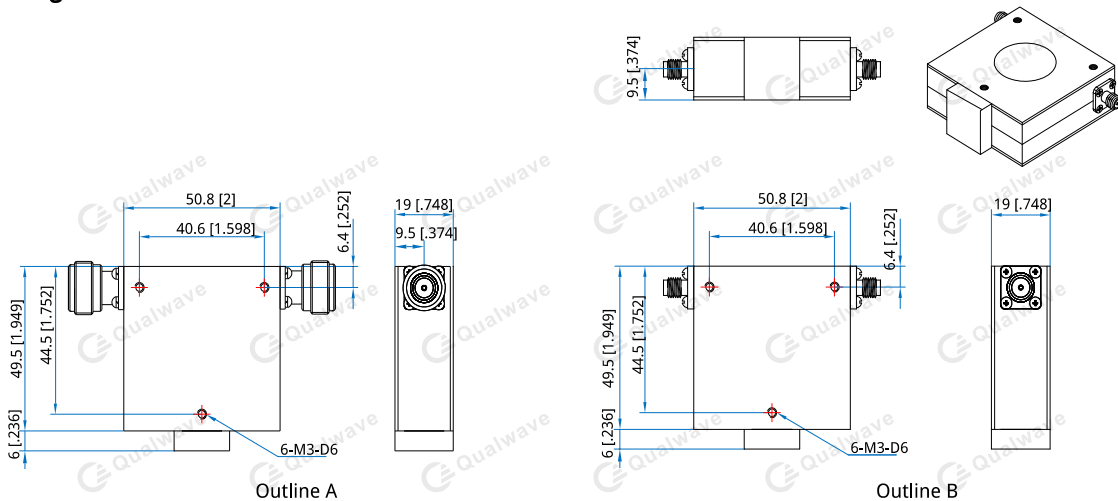
### Description

QCI5050A series Coaxial Isolators cover frequency range 1.5~3GHz. 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)
1500~3000	1500	0.70	17.0	1.40	100	10~100	SMA, N	-10~+60

### Outline Drawings



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

### Mechanical

Size\*1: 50.8\*49.5\*19mm  
2\*1.949\*0.748in

Mounting: 6-M3, depth 6mm

[1] Exclude connectors and terminations.

### Connector Naming Rules:

- N - N Female (Outline A)
- S - SMA Female (Outline B)

### Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

### How To Order

#### QCI5050A-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 QCI5050A series Isolator, 1.5~3GHz, Forward power 100W, Reverse power 100W, SMA female, Clockwise, specify QCI5050A-1500-3000-K1-K1-S-1. Customization is available upon request.