

## NCC5050A

### High Power, High Isolation

#### Features:

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

#### Applications:

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

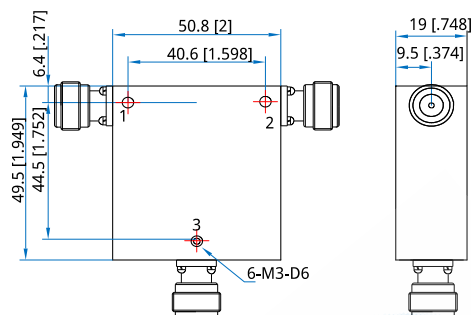
#### Description

NCC5050A series Coaxial Circulators cover frequency range 1.3~3GHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

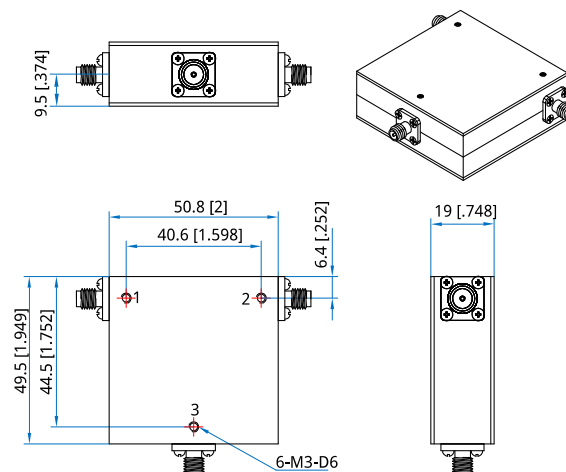
#### Specifications

Frequency (MHz)	Bandwidth (MHz)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Connector	Temperature (°C)
1500~3000	1500	0.70	17.0	1.40	10~100	SMA, N	0~+60
1300~2700	1400	0.70	16.0	1.50	100	SMA	0~+60

#### Outline Drawings



Outline A



Outline B

Unit: mm [inch]

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

#### Mechanical

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

Mounting: 6-M3, depth 6mm

[1] Exclude connectors

#### Connector Naming Rules:

N - N Female (Outline A)

S - SMA Female (Outline B)

#### Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

#### How To Order

##### NCC5050A-V-W-X-Y-Z

V: Start frequency in MHz

W: Stop frequency in MHz

X: Average power in W

Y: Connector type

Z: Direction type

#### Examples:

To order a NCC5050A series Circulator, 1500~3000MHz, 100W, N female, Clockwise, specify NCC5050A-1500-3000-K1-N-1.

Customization is available upon request.