

## NDC5050A

### High Power, High Isolation

#### Features:

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

#### Applications:

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

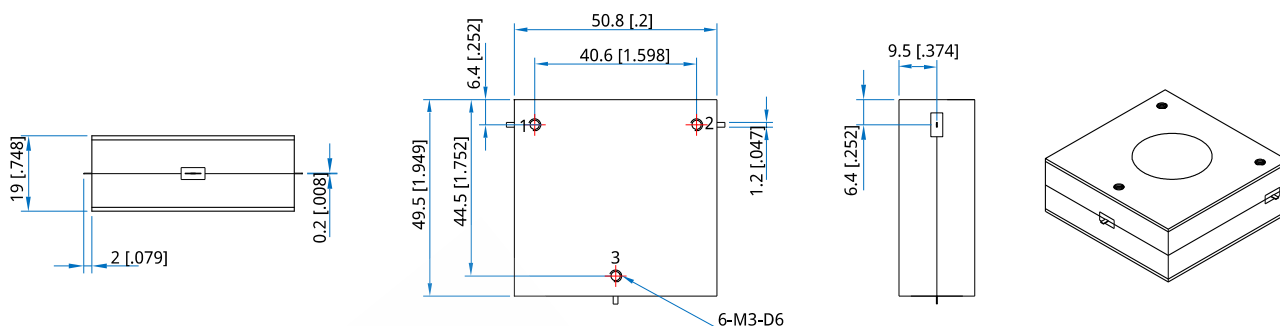
#### Description

NDC5050A series Drop-In Circulators 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)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Temperature (°C)
1500~3000	1500	0.7	17	1.4	10~100	0~+60
1700~2500	800	0.5	18	1.3	100	-30~+85

#### Outline Drawings



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

Connector Type: Strip line

Mounting: 6-M3, depth 6mm

[1] Exclude connectors

#### How To Order

**NDC5050A-X-Y-Z**

X: Start frequency in MHz

Y: Stop frequency in MHz

Z: Average Power in W

Examples:

To order a NDC5050A series Circulator, 1300~ 2600MHz, 100W, specify NDC5050A-1300-2600-K1.

Customization is available upon request.