

# FDC1620B

## High Power, High Isolation

**Features:**

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

**Applications:**

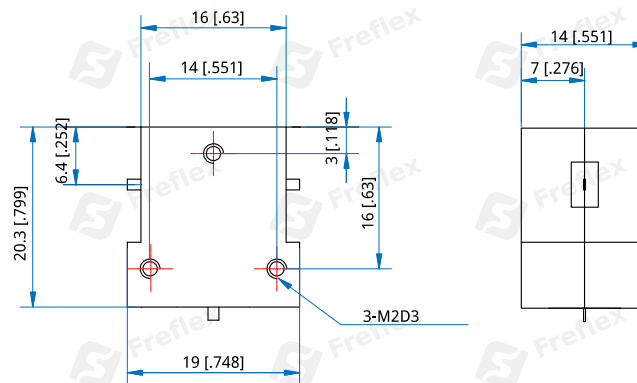
- \* Wireless
- \* Radar
- \* Laboratory Test

**Description**

FDC1620B series Drop-In Circulators cover frequency range 6~18GHz. 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)
6000~18000	12000	1.5	10	1.9	20	-30~+70
13500~16500	3000	0.6	18	1.3	30	-30~+70

**Outline Drawings**


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

**Mechanical**

Size<sup>\*1</sup>: 16\*20.3\*14mm  
 0.63\*0.799\*0.551in  
 Connector Type: Strip line  
 Mounting: 3-M2mm deep 3 mm

[1] Exclude connectors

**How To Order**
**FDC1620B-W-X-Y-Z**

W: Start frequency in MHz  
 X: Stop frequency in MHz  
 Y: Average Power in W  
 Z: Direction type

**Examples:**

To order a FDC1620B series Circulator, 6~18GHz, 20W, Clockwise, specify FDC1620B-6000-18000-20-1.

Customization is available upon request.