FSCC5050A-1250-3000

Coaxial Circulator, 1.25-3GHz, 150W

Features:

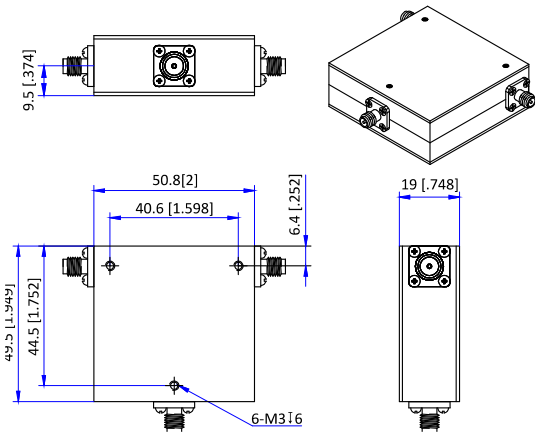
- Excellent Temperature Stability
- Compact Size
- High Power Handling
- RoHS Compliant

Applications:

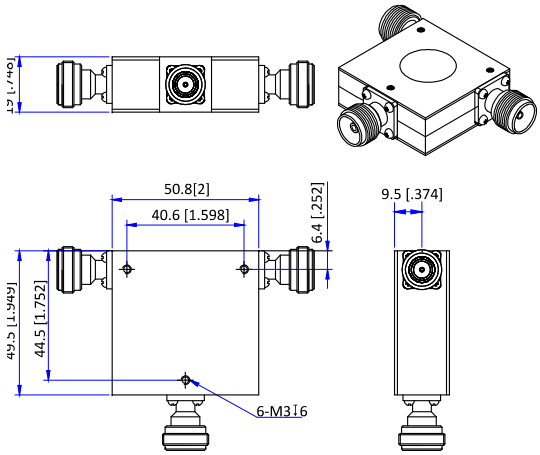
- RF Power Amplifiers and PA Protection
- Shared Antenna Systems
- Wireless Communications
- Satellite Communications

Electrical Specifications					
1	Nominal Impedance	50 Ω			
2	Frequency Bandwidth	Up to 80%			
3	Frequency Range[1] (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Power (W Max.)
4	1250-2500	0.80	16.0	1.50	150
5	1350-2700	0.70	17.0	1.35	150
6	1350-2900	0.70	17.0	1.35	150
7	1400-2800	0.70	17.0	1.35	150
8	1500-2500	0.70	17.0	1.35	150
9	1500-3000	0.70	17.0	1.35	150
Environmental Specifications					
1	Operating Temperature	-10°C ~ +60°C			
2	Storage Temperature	-50°C ~ +90 °C			
Mechanical Specifications					
1	Connectors[2]	N-Female; SMA-Female			
2	Cavity Material	Conductive Oxidized Aluminum			
3	Housing Material	Nickel-Plated Iron			
4	Inner Conductor	Silver-Plated Brass			
5	Connector Body	SMA: Gold-Plated Brass; N: Nickel-Plated Brass			
6	Dimensions[3]	49.5x50.8x19.0 mm [1.95x2.00x0.75 in]			
7	Weight	Approx. 320 g			

Outline Drawing (Units: mm [in]; Tolerance: ±0.3 mm [±0.01 in])



Outline A: SMA Connector



Outline B: N-Type Connector

Ordering Information:

Model: FSCC5050A-FF-FF-CC-[Options]

FF = Frequency Range in MHz
CC = Connector Type (S=SMA, N=N-Type)
Options: R= Counterclockwise Circulation (Default: Clockwise Circulation)
Example: 1.25-2.5GHz, 150W, SMA, clockwise → **FSCC5050A-1250-2500-S**

Notes:

1. Only part of the frequency range is listed. Other frequencies are available upon request.
2. Female connector is standard; male connector is available upon request.
3. Dimensions do not include connectors.