

FSCI5050A-1250-3000

Coaxial Isolators, 1.25-3GHz

Features:

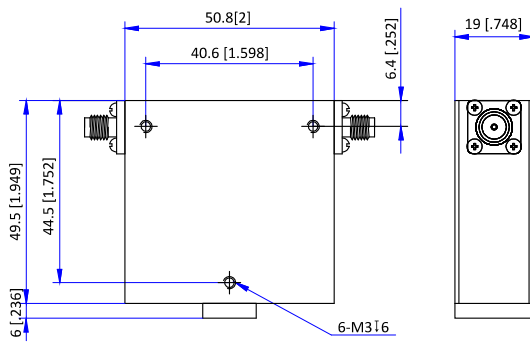
- Excellent Temperature Stability
- Compact Size
- High Reverse Power Handling
- RoHS Compliant

Applications:

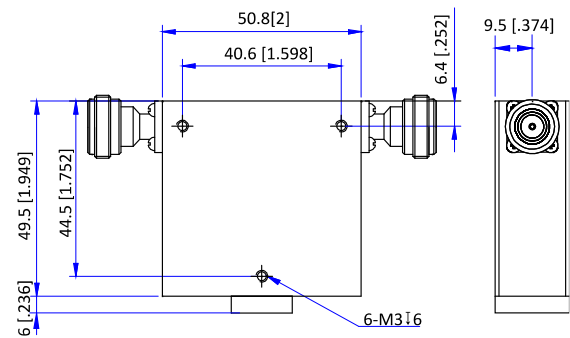
- RF Power Amplifiers and PA Protection
- Wireless Communications
- Satellite Communications
- 2G, 3G, 4G, 5G Communication systems

Electrical Specifications						
1	Nominal Impedance	50 Ω				
2	Frequency Bandwidth	Up to 65%				
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)	REV Power (W Max.)
4	1250-2500	0.8	16	1.50	150	20
5	1350-2700	0.6	17	1.35	150	20
6	1350-2900	0.7	16	1.50	150	20
7	1400-2800	0.6	17	1.35	150	20
8	1500-2500	0.5	18	1.30	150	20
9	1500-3000	0.6	17	1.35	150	20
Environmental Specifications						
1	Operating Temperature	-10°C ~ +60°C				
2	Storage Temperature	-50°C ~ +90°C				
Mechanical Specifications						
1	Connectors ²	SMA-Female; N-Female				
2	Cavity Material	Conductive Oxidized Aluminum				
3	Housing Material	Nickel-Plated Iron				
4	Conductor	Silver-Plated Brass				
5	Dimensions ³	50.8x49.5x19.0 mm [2.00x1.95x0.75 in]				
6	Weight	Approx. 356 g / 320 g				

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



Outline A: SMA, 20W Reverse Power



Outline B: N, 20W Reverse Power

Ordering Information:

Model: FSCI5050A-FF-FF-RR-CC

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

CC = Connector Type (S=SMA; N=N-Type)

Example: 1.25-2.5GHz, 20W Reverse Power, SMA → **FSCI5050A-1250-2500-20-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.