

FSCI1623A-5000-7400

Coaxial Isolators, 5-7.4GHz

Features:

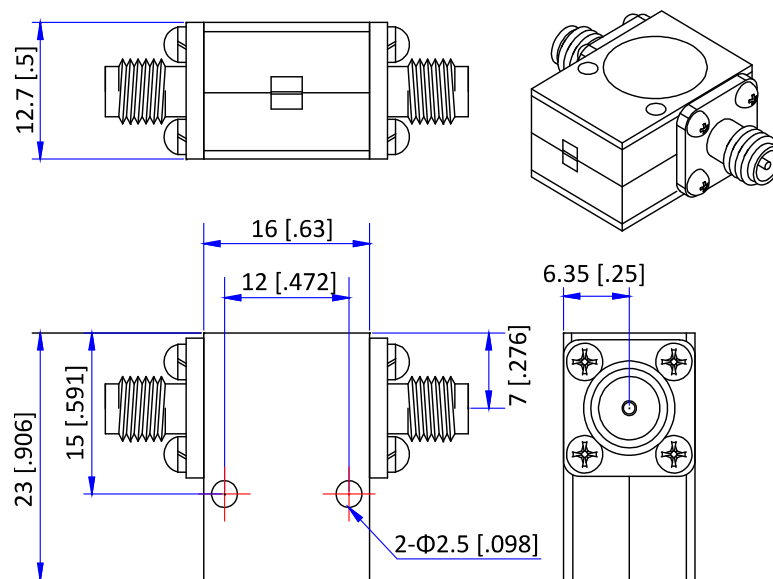
- Excellent Temperature Stability
- Compact Size
- High Reverse Power Handling
- RoHS Compliant

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 20%				
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)	REV Power ² (W Max.)
4	5000-6000	0.6	18	1.30	100	10
5	5100-5900	0.5	20	1.25	100	10
6	5400-5500	0.3	23	1.20	100	10
7	5600-7000	0.4	20	1.25	100	10
8	5700-5900	0.3	23	1.20	100	10
9	5800-6700	0.5	17	1.30	100	10
10	6400-7400	0.4	20	1.25	100	10
11	6570-6870	0.3	20	1.20	100	10
12	6700-7100	0.4	20	1.20	100	10
Environmental Specifications						
1	Operating Temperature	-30°C ~ +75°C				
2	Storage Temperature	-50°C ~ +90°C				
Mechanical Specifications						
1	Connectors ³	SMA-Female				
2	Cavity Material	Conductive Oxidized Aluminum				
3	Housing Material	Nickel-Plated Iron				
4	Conductor	Silver-Plated Brass				
5	Dimensions ⁴	16.0x23.0x12.7 mm [0.63x0.91x0.50 in]				
6	Weight	Approx. 20 g				

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



Ordering Information:

Model: FSCI1623A-FF-FF-RR-CC

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

CC = Connector Type (S=SMA)

Example: 5-6GHz, 10W Reverse Power, SMA → **FSCI1623A-5000-6000-10-S**

Notes:

1. Only part of the frequency range is listed. Other frequencies are available upon request.
2. Standard reverse power rating is 10 W; 30 W is available upon request.
3. This isolator without connectors can be used as an embedded isolator.
4. Dimensions do not include connectors.