

FSCI4040A-1500-3600

Coaxial Isolators, 1.5-3.6GHz

Features:

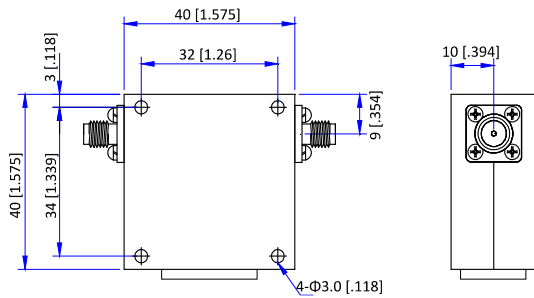
- Excellent Temperature Stability
- Compact Size
- High Reverse Power Handling
- RoHS Compliant

Applications:

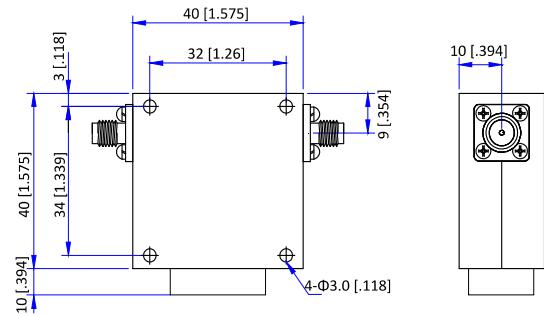
- RF Power Amplifiers and PA Protection
- Wireless Communications
- Satellite Communications
- 2G, 3G, 4G, 5G Communication systems

Electrical Specifications							
1	Nominal Impedance	50 Ω					
2	Frequency Bandwidth	Up to 100%					
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)		Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)	REV Power ² (W Max.)
		SMA	N				
4	1500-3000	0.6	0.7	17	1.35	100	20/100
5	1700-2700	0.5	0.6	18	1.30	100	20/100
6	1800-2700	0.5	0.6	18	1.30	100	20/100
7	1800-3600	0.6	0.7	17	1.35	100	20/100
Environmental Specifications							
1	Operating Temperature	-10°C ~ +60°C					
2	Storage Temperature	-50°C ~ +90°C					
Mechanical Specifications							
1	Connectors ³	SMA-Female; N-Female					
2	Cavity Material	Conductive Oxidized Aluminum					
3	Housing Material	Nickel-Plated Iron					
4	Conductor	Silver-Plated Brass					
5	Dimensions ⁴	40.0x40.0x20.0 mm [1.57x1.57x0.79 in]					
6	Weight	Approx. 170 g					

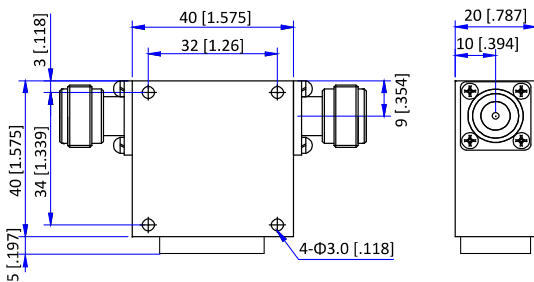
Outline Drawing (Units: mm [in]; Tolerance: ± 0.3 mm [± 0.01 in])



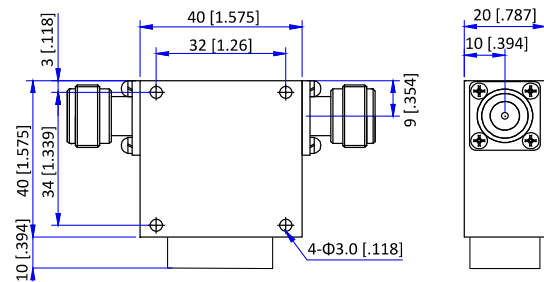
Outline A: SMA, 20W Reverse Power



Outline B: SMA, 100W Reverse Power



Outline C: N, 20W Reverse Power



Outline D: N, 100W Reverse Power

Ordering Information:

Model: FSCI4040A-FF-FF-RR-CC

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

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

Example: 1.5-3GHz, 100W Reverse Power, SMA→**FSCI4040A-1500-3000-100-S**

Notes:

1. Only part of the frequency range is listed. Other frequencies are available upon request.
2. Standard reverse power ratings are 20 W and 100 W. Others are available upon request.
3. Female connector is standard; male connector is available upon request.
4. Dimensions do not include connectors.