

FSCI3033A-700-3000

Coaxial Isolators, 700-3000MHz

Features:

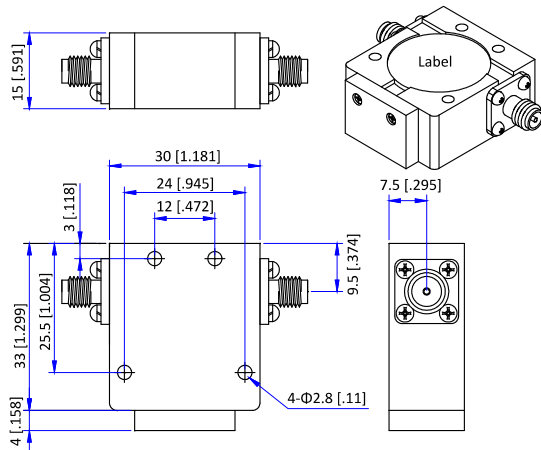
- Excellent Temperature Stability
- Compact Size
- High Reverse Power Handling
- RoHS Compliant

Applications:

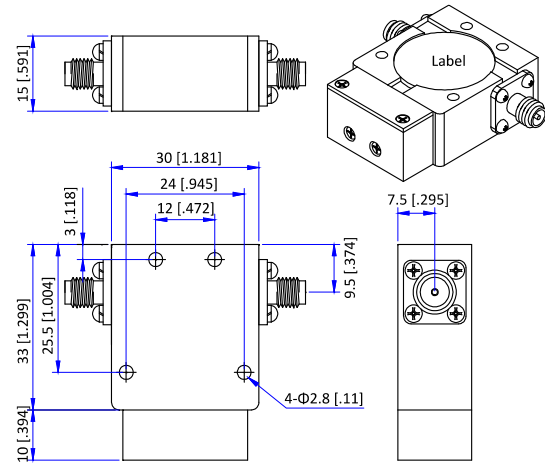
- RF Power Amplifiers and PA Protection
- Wireless Communications
- Satellite Communications
- 2G, 3G, 4G, 5G Communication systems

Electrical Specifications						
1	Nominal Impedance	50 Ω				
2	Frequency Bandwidth	Up to 25%				
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)	REV Power ² (W Max.)
4	700-900	0.6	18	1.30	150	20/100
5	800-1000	0.5	18	1.30	150	20/100
6	920-960	0.3	23	1.20	150	20/100
7	960-1215	0.4	18	1.30	150	20/100
9	1400-1600	0.35	20	1.25	150	20/100
10	1700-2300	0.5	18	1.30	150	20/100
11	1800-2200	0.4	20	1.25	150	20/100
12	2200-2400	0.3	23	1.20	150	20/100
13	2500-2700	0.3	23	1.20	150	20/100
14	2700-2900	0.3	23	1.20	150	20/100
15	2800-3000	0.3	23	1.20	150	20/100
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	30.0x33.0x15.0 mm [1.18x1.30x0.59 in]				
6	Weight	Approx. 104 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: FSCI3033A-FF-FF-RR-CC

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

CC = Connector Type (S=SMA)

Example: 700-900MHz, 100W Reverse Power, SMA → **FSCI3033A-700-900-100-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 and load.