

FSCI1319A-6000-13300

Coaxial Isolators, 6-13.3GHz

Features:

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

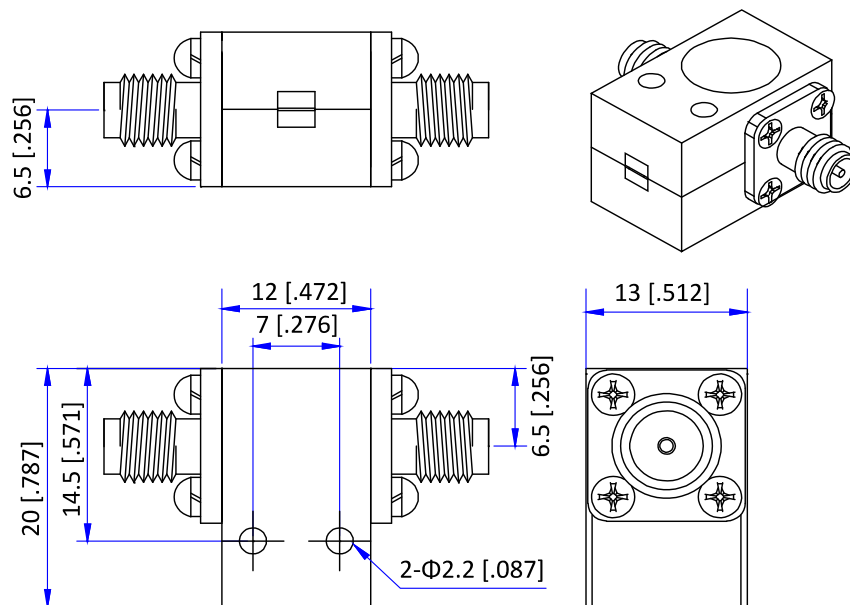
Applications:

- 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 40%				
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)	REV Power (W Max.)
4	6000-7000	0.5	18	1.30	30	10
5	6000-8000	0.5	18	1.35	30	10
6	6000-10000	0.5	17	1.35	30	10
7	6000-12000	0.6	15	1.45	30	10
8	6600-7000	0.4	20	1.25	30	10
9	6800-7000	0.4	20	1.25	30	10
10	7000-9000	0.4	20	1.25	30	10
11	7000-11000	0.6	18	1.35	30	10
12	7000-12000	0.6	16	1.50	30	10
13	7500-9000	0.4	20	1.25	30	10
14	7700-8500	0.4	20	1.25	30	10
15	7700-9000	0.4	20	1.25	30	10
16	7900-8400	0.4	20	1.25	30	10
17	7900-9000	0.4	20	1.25	30	10
18	8000-8500	0.4	20	1.25	30	10
19	8000-9000	0.4	20	1.25	30	10
20	8000-10000	0.5	10	1.30	30	10
21	8000-11000	0.5	18	1.30	30	10
22	8000-12000	0.5	18	1.30	30	10
23	8000-12400	0.6	16	1.40	30	10
24	8300-8400	0.3	23	1.20	30	10
25	8500-9500	0.4	20	1.25	30	10
26	8900-9100	0.4	20	1.25	30	10
27	8550-9350	0.4	20	1.25	30	10
28	9000-10000	0.4	20	1.25	30	10
29	9100-9600	0.4	20	1.25	30	10
30	9100-9700	0.4	20	1.25	30	10
31	9300-9600	0.4	20	1.25	30	10
32	9700-11700	0.5	20	1.25	30	10

33	9900-10100	0.3	25	1.15	30	10
34	9850-10150	0.3	23	1.20	30	10
35	10400-10600	0.3	23	1.20	30	10
36	10700-13300	0.4	20	1.20	30	10
Environmental Specifications						
1	Operating Temperature	-10°C ~ +60°C				
2	Storage Temperature	-50°C ~ +90°C				
Mechanical Specifications						
1	Connectors ²	SMA-Female				
2	Cavity Material	Conductive Oxidized Aluminum				
3	Housing Material	Nickel-Plated Iron				
4	Conductor	Silver-Plated Brass				
5	Dimensions ³	13.0x19.0x12.7 mm [0.51x0.75x0.50 in]				
6	Weight	Approx. 20 g				

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



Ordering Information:

Model: FSCI1319A-FF-FF-RR-CC

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

CC = Connector Type (S=SMA)

Example: 6-7GHz, 10W Reverse Power, SMA → **FSCI1319A-6000-7000-10-S**

Notes:

1. Only part of the frequency range is listed. Other frequencies are available upon request.
2. The isolator connector is available in SMA male, female, or bulkhead types.
3. Dimensions do not include connectors.