

FSCI1220A-9300-18500

Coaxial Isolators, 9.3-18.5GHz

Features:

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

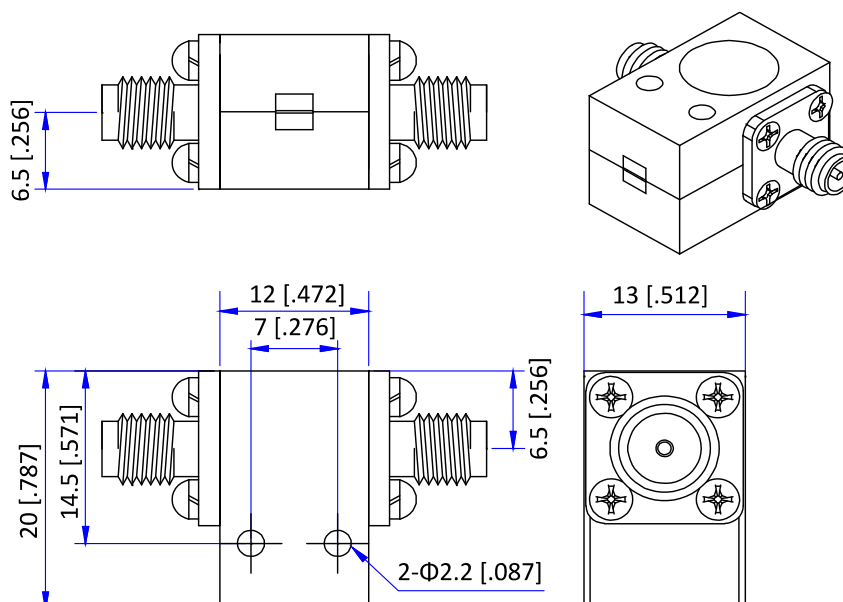
Applications:

- 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	9300-9500	0.3	23	1.20	30	10
5	9300-9600	0.4	18	1.30	30	10
6	10000-13000	0.4	21	1.25	30	10
7	10000-15000	0.6	18	1.35	30	10
8	10500-12500	0.4	20	1.20	30	10
9	10500-15000	0.6	18	1.35	30	10
10	10600-12700	0.4	20	1.25	30	10
11	10700-12800	0.4	20	1.20	30	10
12	10700-13300	0.6	18	1.30	30	10
13	10950-12200	0.4	20	1.25	30	10
14	11000-14500	0.6	18	1.35	30	10
15	12000-18000	0.6	18	1.35	30	10
16	12700-14900	0.4	20	1.20	30	10
17	13000-15000	0.4	21	1.20	30	10
18	13750-15000	0.4	20	1.25	30	10
19	14100-15400	0.6	20	1.30	30	10
20	14300-14500	0.3	23	1.20	30	10
21	14300-14800	0.4	20	1.20	30	10
22	14500-16500	0.4	20	1.20	30	10
23	14000-18000	0.6	18	1.35	30	10
24	15000-17000	0.6	20	1.25	30	10
25	15500-16000	0.4	23	1.20	30	10
26	16000-18500	0.6	18	1.35	30	10
Environmental Specifications						
1	Operating Temperature	-10°C ~ +60°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	12.0x20.0x13.0 mm [0.47x0.79x0.51 in]
6	Weight	Approx. 15 g

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



Ordering Information:

Model: FSCI1220A-FF-FF-RR-CC

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

CC = Connector Type (S=SMA)

Example: 9.3-9.5GHz, 10W Reverse Power, SMA → **FSCI1220A-9300-9500-10-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 only.
3. The isolator connector is available in SMA male, female, or bulkhead types.
4. Dimensions do not include connectors.