

FSCI2025A-900-5900

Coaxial Isolators, 900-5900MHz

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	900-930	0.4	23	1.20	100	20/100
5	930-960	0.4	23	1.20	100	20/100
6	1030-1090	0.4	23	1.20	100	20/100
7	1290-1310	0.3	23	1.20	100	20/100
8	1300-1400	0.4	20	1.20	100	20/100
9	1400-1500	0.3	23	1.20	100	20/100
10	1400-1700	0.5	18	1.30	100	20/100
11	1500-1700	0.35	20	1.25	100	20/100
12	1700-1900	0.4	20	1.25	100	20/100
13	1710-1880	0.4	20	1.25	100	20/100
14	1800-1900	0.3	23	1.20	100	20/100
15	1805-1880	0.3	23	1.20	100	20/100
16	1880-1900	0.25	25	1.15	100	20/100
17	1900-2200	0.4	20	1.25	100	20/100
18	2000-2400	0.5	18	1.30	100	20/100
19	2110-2170	0.3	23	1.20	100	20/100
20	2200-2300	0.3	23	1.20	100	20/100
21	2300-2500	0.35	20	1.20	100	20/100
22	2400-2500	0.25	23	1.15	100	20/100
23	2500-2700	0.3	20	1.20	100	20/100
24	2620-2690	0.3	23	1.15	100	20/100
25	2700-3100	0.4	20	1.25	100	20/100
26	2900-3100	0.3	23	1.20	100	20/100
27	3100-3400	0.35	20	1.20	100	20/100
28	3400-3600	0.3	20	1.20	100	20/100
29	3400-3700	0.35	20	1.25	100	20/100
30	3600-4000	0.4	20	1.25	100	20/100
31	3700-4200	0.45	19	1.25	100	20/100
32	3750-4250	0.45	19	1.25	100	20/100

33	3900-4200	0.4	20	1.25	100	20/100
34	4000-4500	0.4	20	1.25	100	20/100
35	4400-5000	0.5	20	1.25	100	20/100
36	4500-5000	0.45	20	1.25	100	20/100
37	4900-5000	0.3	23	1.20	100	20/100
38	5700-5900	0.4	23	1.20	80	20/100

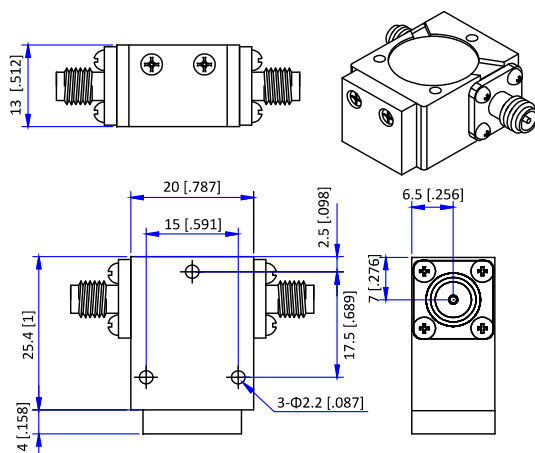
Environmental Specifications

1	Operating Temperature	-30°C ~ +70°C
2	Extended Temperature	-45°C ~ +85°C, optional
3	Storage Temperature	-50°C ~ +90°C

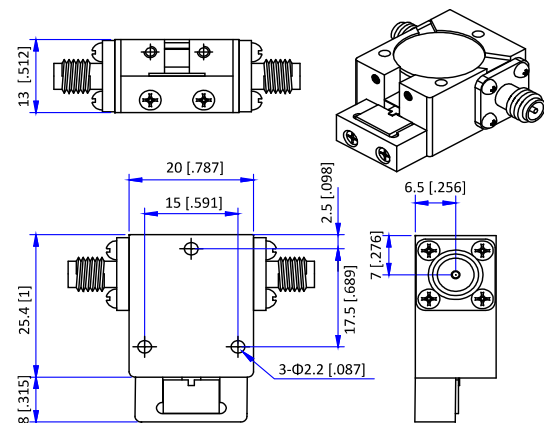
Mechanical Specifications

1	Connectors ²	SMA-Female
2	Load Material	Nickel-Plated Brass
3	Housing Material	Nickel-Plated Free-Cutting Iron
4	Conductor	Silver-Plated Brass
5	Dimensions ³	20.0x25.0x13.0 mm [0.79x0.98x0.51 in]
6	Weight	Approx. 47 g

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



Outline A: 20W Reverse Power



Outline B: 100W Reverse Power

Ordering Information:

Model: FSCI2025A-FF-FF-RR-CC-[Options]

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

CC = Connector Type (S=SMA)

Options: E = Extended Temperature Range

Example: 900-930MHz, 100W Reverse Power, SMA → **FSCI2025A-900-930-100-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.