

FSCC2025A-1300-6000-S

Coaxial Circulator, 1.3-6GHz, 100W, SMA

Features:

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

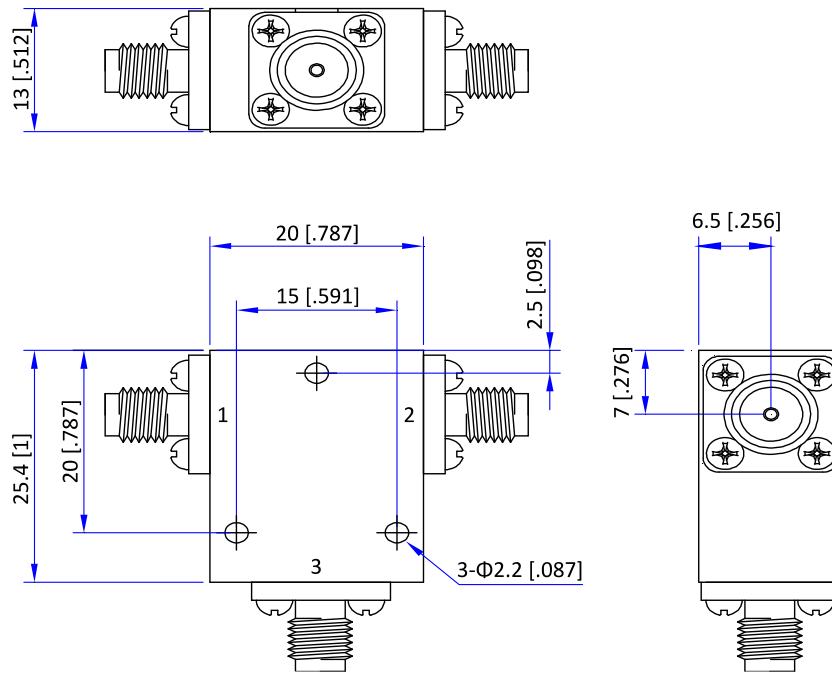
Applications:

- RF Power Amplifiers and PA Protection
- Shared Antenna Systems
- Wireless Communications
- Satellite Communications

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.)	Power (W Max.)
4	1700-1900	0.40	20.0	1.25	100
5	1710-1880	0.40	20.0	1.25	100
6	1800-1900	0.30	23.0	1.20	100
7	1805-1880	0.30	23.0	1.20	100
8	1880-1900	0.25	25.0	1.15	100
9	1900-2000	0.30	23.0	1.20	100
10	1900-2020	0.40	20.0	1.25	100
11	2000-2400	0.50	18.0	1.30	100
12	2010-2100	0.30	23.0	1.20	100
13	2010-2300	0.45	20.0	1.25	100
14	2090-2310	0.40	20.0	1.25	100
15	2100-2170	0.30	23.0	1.20	100
16	2200-2300	0.30	23.0	1.20	100
17	2260-2293	0.25	25.0	1.15	100
18	2300-2500	0.35	20.0	1.20	100
19	2400-2500	0.25	23.0	1.15	100
20	2500-2700	0.30	20.0	1.20	100
21	2620-2690	0.30	23.0	1.15	100
22	2700-3100	0.40	20.0	1.25	100
23	2900-3100	0.30	23.0	1.20	100
24	3100-3400	0.35	20.0	1.20	100
25	3400-3600	0.30	20.0	1.20	100
26	3400-3700	0.35	20.0	1.25	100
27	3600-4000	0.40	20.0	1.25	100
28	3650-3750	0.30	23.0	1.20	100
29	3700-3800	0.30	23.0	1.20	100
30	3700-4200	0.45	19.0	1.25	100
31	3750-4250	0.45	19.0	1.25	100
32	3900-4200	0.40	20.0	1.25	100

33	4000-4500	0.40	20.0	1.25	100
34	4280-4320	0.30	23.0	1.20	100
35	4400-5000	0.50	20.0	1.25	100
36	4500-5000	0.45	20.0	1.25	100
37	4800-4900	0.30	23.0	1.20	100
38	4900-5000	0.30	23.0	1.20	100
39	5700-5900	0.40	20.0	1.25	100
Environmental Specifications					
1	Operating Temperature	-30°C ~ +70°C			
2	Storage Temperature	-50°C ~ +90 °C			
Mechanical Specifications					
1	Connectors ²	SMA-Female			
2	Housing Material	Nickel-Plated Iron			
3	Inner Conductor	Silver-Plated Brass			
4	Connector Body	Gold-Plated Brass			
5	Dimensions ³	20.0x25.4x13.0 mm [0.79x1.00x0.51 in]			
6	Weight	Approx. 47 g			

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



Ordering Information:

Model: FSCC2025A-FF-FF-CC-[Options]

FF = Frequency Range in MHz

CC = Connector Type (S=SMA)

Options: R= Counterclockwise Circulation (Default: Clockwise Circulation)

Example: 1.7-1.9 GHz, SMA, clockwise→**FSCC2025A-1700-1900-S**

Notes:

1. Only part of the frequency range is listed. Other frequencies are available upon request.
2. Female connector is standard; male connector is available upon request.
3. Dimensions do not include connectors.