

FSCC2528A-700-5000

Coaxial Circulator, 0.7-5GHz

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 25%				
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Power (SMA)	Power (N)
4	700-750	0.40	23.0	1.20	100	200
5	700-780	0.40	20.0	1.25	100	200
6	703-733	0.30	23.0	1.20	100	200
7	725-775	0.30	23.0	1.20	100	200
8	729-803	0.40	20.0	1.25	100	200
9	734-746	0.30	23.0	1.20	100	200
10	750-790	0.30	23.0	1.20	100	200
11	750-803	0.30	23.0	1.20	100	200
12	755-788	0.30	23.0	1.20	100	200
13	758-788	0.30	23.0	1.20	100	200
14	770-800	0.30	23.0	1.20	100	200
15	790-825	0.30	23.0	1.20	100	200
16	791-861	0.30	23.0	1.20	100	200
17	800-840	0.30	23.0	1.20	100	200
18	800-900	0.40	20.0	1.25	100	200
19	800-1000	0.50	18.0	1.30	100	200
20	806-824	0.30	23.0	1.20	100	200
21	808-904	0.40	20.0	1.25	100	200
22	820-865	0.30	23.0	1.20	100	200
23	820-880	0.30	23.0	1.20	100	200
24	824-849	0.30	23.0	1.15	100	200
25	830-940	0.40	20.0	1.25	100	200
26	832-842	0.30	23.0	1.20	100	200
27	832-862	0.30	23.0	1.20	100	200
28	840-870	0.30	23.0	1.20	100	200
29	840-894	0.30	23.0	1.20	100	200
30	850-870	0.30	23.0	1.20	100	200
31	850-960	0.40	20.0	1.25	100	200
32	851-866	0.30	23.0	1.20	100	200

33	855-915	0.30	23.0	1.20	100	200
34	860-960	0.40	20.0	1.25	100	200
35	865-880	0.30	23.0	1.20	100	200
36	869-894	0.30	23.0	1.20	100	200
37	870-880	0.30	23.0	1.20	100	200
38	870-940	0.40	20.0	1.25	100	200
39	890-915	0.30	23.0	1.20	100	200
40	880-915	0.30	23.0	1.20	100	200
41	880-940	0.30	23.0	1.20	100	200
42	885-915	0.30	23.0	1.20	100	200
43	900-928	0.30	23.0	1.20	100	200
44	902-928	0.25	25.0	1.15	100	200
45	920-960	0.30	23.0	1.20	100	200
46	925-960	0.30	23.0	1.20	100	200
47	870-960	0.40	20.0	1.25	100	200
48	950-1150	0.40	20.0	1.25	100	200
49	960-1215	0.50	18.0	1.30	100	200
50	1000-1100	0.30	23.0	1.20	100	200
51	1010-1050	0.30	23.0	1.20	100	200
52	1020-1100	0.30	23.0	1.20	100	200
53	1030-1039	0.30	23.0	1.20	100	200
54	1030-1090	0.30	23.0	1.20	100	200
55	1100-1300	0.40	20.0	1.25	100	200
56	1150-1300	0.35	20.0	1.25	100	150
57	1150-1350	0.40	20.0	1.25	100	150
58	1175-1225	0.30	23.0	1.20	100	150
59	1195-1295	0.30	23.0	1.20	100	150
60	1200-1300	0.30	23.0	1.20	100	150
61	1200-1400	0.35	20.0	1.25	100	150
62	1250-1280	0.30	23.0	1.20	100	150
63	1250-1350	0.30	23.0	1.20	100	150
64	1290-1310	0.25	25.0	1.15	100	150
65	1325-1375	0.25	25.0	1.15	100	150
66	1325-1425	0.30	23.0	1.20	100	150
67	1350-1550	0.35	20.0	1.25	100	150
68	1400-1500	0.30	23.0	1.20	100	150
69	1400-1600	0.35	20.0	1.25	100	150
70	1420-1460	0.30	23.0	1.20	100	150
71	1429-1518	0.30	23.0	1.20	100	150
72	1440-1470	0.30	23.0	1.20	100	150
73	1450-1550	0.30	23.0	1.20	100	150
74	1500-1600	0.30	23.0	1.20	100	150
75	1500-1700	0.35	20.0	1.25	100	150
76	1500-1900	0.45	20.0	1.25	100	150

77	1500-2000	0.60	17.0	1.35	100	150
78	1515-1560	0.30	23.0	1.20	100	150
79	1530-1630	0.30	23.0	1.20	100	150
80	1550-1620	0.30	23.0	1.20	100	150
81	1570-1620	0.30	23.0	1.20	100	150
82	1600-2000	0.50	18.0	1.30	100	150
83	1606-1626	0.15	25.0	1.15	100	150
84	1650-1850	0.35	20.0	1.25	100	150
85	1700-1900	0.35	20.0	1.25	100	150
86	1700-2100	0.40	20.0	1.25	100	150
87	1700-2200	0.50	19.0	1.25	100	150
88	1700-2300	0.60	18.0	1.30	100	150
89	1710-1785	0.30	23.0	1.20	100	150
90	1800-1850	0.30	23.0	1.20	100	150
91	1800-2000	0.35	20.0	1.25	100	150
92	1800-2200	0.40	20.0	1.25	100	150
93	1800-2400	0.50	18.0	1.30	100	150
94	1850-1900	0.30	23.0	1.20	100	150
95	1880-1920	0.30	23.0	1.20	100	150
96	1900-2200	0.35	20.0	1.25	100	150
97	1920-1980	0.30	23.0	1.20	100	150
98	2000-2400	0.40	20.0	1.25	100	150
99	2000-2500	0.50	18.0	1.30	100	150
100	2000-2600	0.50	18.0	1.30	100	150
101	2000-2700	0.60	16.0	1.40	100	150
102	2010-2300	0.35	20.0	1.20	100	150
103	2100-2170	0.30	23.0	1.20	100	150
104	2100-2500	0.40	20.0	1.25	100	150
105	2110-2170	0.30	23.0	1.20	100	150
106	2200-2300	0.30	23.0	1.20	100	150
107	2200-2500	0.35	20.0	1.20	100	150
108	2300-2400	0.30	23.0	1.20	100	150
109	2300-2500	0.40	20.0	1.20	100	150
110	2300-3000	0.50	18.0	1.30	100	150
111	2400-2500	0.30	23.0	1.20	100	150
112	2400-2600	0.30	20.0	1.20	100	150
113	2400-2700	0.35	20.0	1.25	100	150
114	2500-2700	0.30	20.0	1.20	100	150
115	2555-2655	0.30	23.0	1.20	100	150
116	2600-2690	0.30	23.0	1.20	100	150
117	2600-2800	0.30	20.0	1.20	100	150
118	2600-3000	0.50	18.0	1.30	100	150
119	2600-3300	0.60	17.0	1.35	100	150
120	2700-2900	0.30	20.0	1.20	100	150

121	2700-3100	0.40	20.0	1.25	100	150
122	2750-3150	0.40	20.0	1.25	100	150
123	2800-3200	0.40	20.0	1.25	100	150
124	2850-2860	0.30	23.0	1.15	100	150
125	2850-3300	0.40	20.0	1.25	100	150
126	2900-3100	0.30	20.0	1.20	100	150
127	2900-3300	0.40	20.0	1.25	100	150
128	2900-3500	0.45	20.0	1.25	100	150
129	3100-3500	0.40	20.0	1.25	100	150
130	3200-3700	0.40	20.0	1.25	100	150
131	3400-4200	0.50	19.0	1.25	100	150
132	3500-4000	0.40	20.0	1.25	100	150

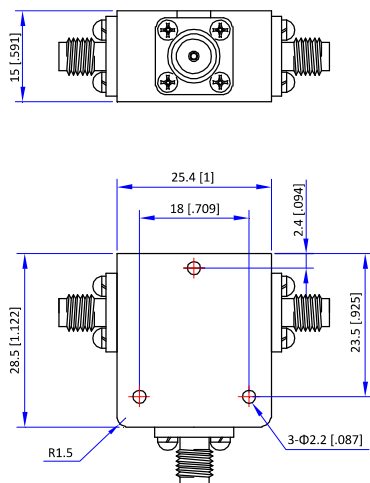
Environmental Specifications

1	Operating Temperature	-30°C ~ +75°C
2	Storage Temperature	-50°C ~ +90°C

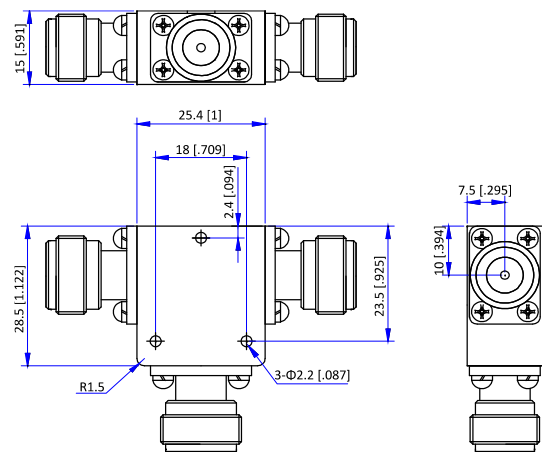
Mechanical Specifications

1	Connectors ²	N-Female; SMA-Female
2	Housing Material	Nickel-Plated Iron
3	Inner Conductor	Silver-Plated Brass
4	Connector Body	SMA: Gold-Plated Brass; N: Nickel-Plated Brass
5	Dimensions ³	25.4x28.5x15.0 mm [1.00x1.12x0.59 in]
6	Weight	Approx. 100 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: FSCC2528A-FF-FF-CC-[Options]

FF = Frequency Range in MHz

CC = Connector Type (S=SMA, N=N-Type)

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

Example: 0.703-0.733GHz, 200W, SMA, clockwise→**FSCC2528A-703-733-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.