

FSCC3538A-300-1850

Coaxial Circulator, 0.3-1.85GHz

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 30%				
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Power (SMA)	Power (N)
4	300-320	0.60	20.0	1.25	150	300
5	300-350	0.80	18.0	1.35	150	300
6	309-339	0.50	20.0	1.25	150	300
7	310-340	0.50	20.0	1.25	150	300
8	320-340	0.45	20.0	1.25	150	300
9	350-370	0.40	20.0	1.25	150	300
10	350-400	0.50	19.0	1.25	150	300
11	361-366	0.30	23.0	1.20	150	300
12	370-420	0.50	19.0	1.25	150	300
13	380-410	0.40	20.0	1.25	150	300
14	380-460	0.50	18.0	1.30	150	300
15	390-410	0.30	23.0	1.20	150	300
16	400-410	0.30	23.0	1.20	150	300
17	400-440	0.40	20.0	1.25	150	300
18	400-450	0.40	20.0	1.25	150	300
19	400-470	0.40	20.0	1.25	150	-
20	400-470	0.50	19.0	1.25	-	300
21	400-500	0.50	19.0	1.25	-	300
22	410-460	0.40	20.0	1.25	150	300
23	413-419	0.25	25.0	1.15	150	300
24	419-425	0.25	25.0	1.15	150	300
25	420-450	0.40	20.0	1.25	150	300
26	420-480	0.40	20.0	1.25	150	300
27	425-475	0.40	20.0	1.25	150	300
28	429-439	0.30	25.0	1.15	150	300
29	430-440	0.30	23.0	1.20	150	300
30	430-460	0.40	20.0	1.25	150	300
31	430-470	0.40	20.0	1.25	150	300
32	433-457	0.30	23.0	1.20	150	300

33	435-437	0.30	23.0	1.20	150	300
34	440-470	0.30	23.0	1.20	150	300
35	447-499	0.30	23.0	1.20	150	300
36	450-456	0.25	25.0	1.15	150	300
37	450-500	0.40	20.0	1.25	150	300
38	450-520	0.40	20.0	1.25	150	300
39	450-550	0.40	20.0	1.25	150	300
40	455-465	0.25	25.0	1.15	150	300
41	459-486	0.30	23.0	1.20	150	300
42	470-490	0.30	23.0	1.20	150	300
43	470-530	0.40	20.0	1.20	150	300
44	470-570	0.40	20.0	1.25	150	300
45	470-610	0.60	18.0	1.30	-	300
46	470-610	0.50	18.0	1.30	150	-
47	475-525	0.30	23.0	1.20	150	300
48	495-516	0.30	23.0	1.20	150	300
49	500-600	0.40	20.0	1.20	150	300
50	500-700	0.70	17.5	1.35	150	300
51	570-670	0.30	23.0	1.20	150	300
52	580-720	0.40	19.0	1.25	150	300
53	600-700	0.40	20.0	1.25	150	300
54	600-800	0.50	18.0	1.30	150	300
55	670-770	0.30	23.0	1.20	150	300
56	690-860	0.40	20.0	1.20	150	300
57	700-800	0.30	23.0	1.20	150	300
58	700-862	0.40	20.0	1.25	150	300
59	700-900	0.50	18.0	1.30	150	300
60	703-862	0.40	20.0	1.25	150	300
61	750-950	0.40	20.0	1.25	150	300
62	770-860	0.30	23.0	1.20	150	300
63	800-1000	0.40	20.0	1.25	150	300
64	854-921	0.30	23.0	1.20	150	300
65	860-872	0.25	25.0	1.15	150	300
66	862-960	0.30	23.0	1.20	150	300
67	900-930	0.25	25.0	1.15	150	300
68	900-1000	0.30	23.0	1.20	150	300
69	900-1100	0.40	20.0	1.25	150	300
70	950-1000	0.30	23.0	1.20	150	300
71	950-1250	0.40	20.0	1.25	150	300
72	950-1280	0.50	20.0	1.25	150	300
73	950-1450	0.60	17.0	1.35	150	300
74	955-1220	0.40	20.0	1.25	150	300
75	960-1160	0.40	20.0	1.25	150	300
76	960-1215	0.40	20.0	1.25	150	300

77	960-1260	0.40	20.0	1.25	150	300
78	1000-1100	0.30	23.0	1.20	150	300
79	1000-1500	0.60	17.0	1.35	150	300
80	1015-1045	0.25	23.0	1.15	150	300
81	1020-1040	0.25	25.0	1.15	150	300
82	1020-1100	0.25	23.0	1.20	150	300
83	1022-1540	0.60	17.0	1.35	150	300
84	1030-1039	0.20	25.0	1.15	150	300
85	1030-1090	0.25	23.0	1.20	150	300
86	1100-1600	0.50	17.0	1.35	150	300
87	1100-1650	0.60	17.0	1.35	150	300
88	1100-1699	0.65	16.0	1.40	-	300
89	1100-1699	0.60	16.0	1.40	150	-
90	1160-1610	0.50	18.0	1.30	150	300
91	1200-1400	0.30	20.0	1.25	150	300
92	1200-1500	0.40	20.0	1.25	150	300
93	1285-1315	0.20	23.0	1.20	150	300
94	1290-1310	0.20	25.0	1.15	150	300
95	1300-1700	0.40	20.0	1.20	150	300
96	1350-1850	0.50	19.0	1.25	150	300

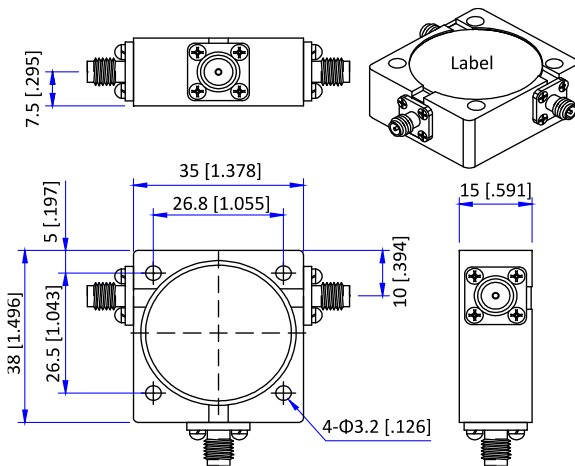
Environmental Specifications

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

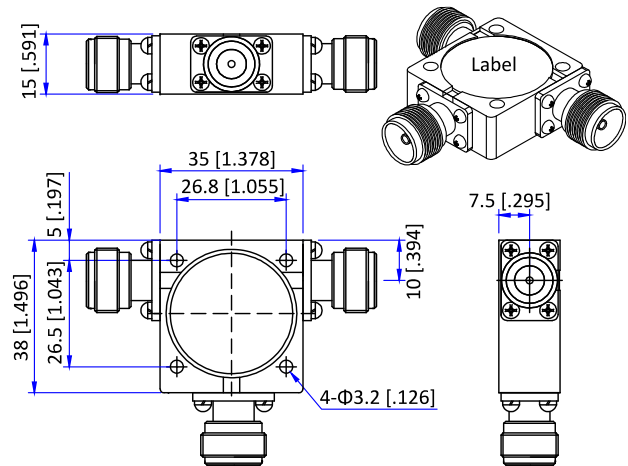
Mechanical Specifications

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	35.0x38.0x15.0 mm [1.38x1.50x0.59 in]
6	Weight	Approx. 138 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: FSCC3538A-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: 1.2-1.5 GHz, 300W, SMA→**FSCC3538A-1200-1500-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.