FSCI3538A-300-1850

Coaxial Isolators, 300-1850MHz

Features:

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

Applications:

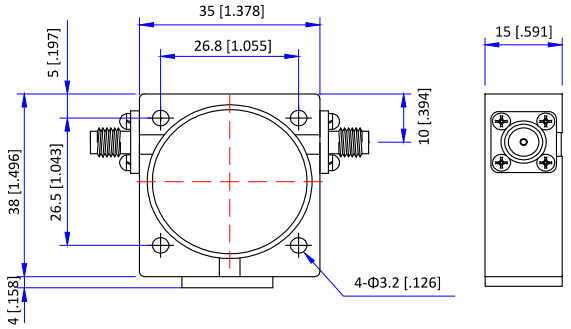
- RF Power Amplifiers and PA Protection
- Wireless Communications
- Satellite Communications
- 2G, 3G, 4G, 5G Communication systems

Electrical Specifications								
1	Nominal Impedance	50 Ω						
2	Frequency Bandwidth	Up to 30%						
3	Frequency Range[1] (MHz)	Insertion Loss (dB Max.)		Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)		REV Power[2] (W Max.)
		SMA	N			SMA	N	
4	300-320	0.6	0.6	20	1.25	150	100	20/100
5	300-350	0.8	0.8	18	1.35	150	100	20/100
6	310-340	0.5	0.5	20	1.25	150	100	20/100
7	320-340	0.45	0.45	20	1.25	150	100	20/100
8	350-370	0.4	0.4	20	1.25	150	100	20/100
9	350-400	0.5	0.5	19	1.25	150	100	20/100
10	361-366	0.3	0.3	23	1.20	150	100	20/100
11	370-420	0.5	0.5	19	1.25	150	100	20/100
12	380-410	0.4	0.4	20	1.25	150	100	20/100
13	380-460	0.5	0.5	18	1.30	150	100	20/100
14	390-410	0.3	0.3	23	1.20	150	100	20/100
15	400-420	0.3	0.3	23	1.20	150	100	20/100
16	400-440	0.4	0.4	20	1.25	150	100	20/100
17	400-450	0.4	0.4	20	1.25	150	100	20/100
18	400-470	0.4	0.4	20	1.25	150	100	20/100
19	400-500	0.5	0.5	19	1.25	150	100	20/100
20	410-460	0.4	0.4	20	1.25	150	100	20/100
21	420-430	0.3	0.3	25	1.15	150	100	20/100
22	420-450	0.3	0.3	23	1.20	150	100	20/100
23	420-480	0.4	0.4	20	1.25	150	100	20/100
24	430-440	0.3	0.3	23	1.20	150	100	20/100
25	430-470	0.4	0.4	20	1.25	150	100	20/100
26	440-470	0.3	0.3	23	1.20	150	100	20/100
27	450-456	0.25	0.25	25	1.15	150	100	20/100
28	450-500	0.4	0.4	20	1.25	150	100	20/100
29	450-520	0.4	0.4	20	1.25	150	100	20/100
30	450-550	0.4	0.4	20	1.25	150	100	20/100

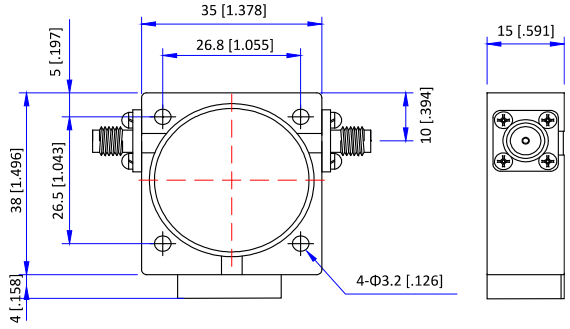
31	455-465	0.25	0.25	25	1.15	150	100	20/100
32	459-486	0.3	0.3	23	1.20	150	100	20/100
33	470-490	0.3	0.3	23	1.20	150	100	20/100
34	470-530	0.4	0.4	20	1.20	150	100	20/100
35	470-570	0.4	0.4	20	1.25	150	100	20/100
36	470-610	0.5	0.5	18	1.30	150	100	20/100
37	475-525	0.3	0.3	23	1.20	150	100	20/100
38	495-516	0.3	0.3	23	1.20	150	100	20/100
39	500-600	0.4	0.4	20	1.20	150	100	20/100
40	500-700	0.7	0.7	17	1.35	150	100	20/100
41	570-670	0.3	0.3	23	1.20	150	100	20/100
42	580-720	0.4	0.4	19	1.25	150	100	20/100
43	600-700	0.4	0.4	20	1.25	150	100	20/100
44	600-800	0.5	0.5	18	1.30	150	100	20/100
45	670-770	0.3	0.3	23	1.20	150	100	20/100
46	690-860	0.4	0.4	20	1.20	150	100	20/100
47	700-800	0.3	0.3	23	1.20	150	100	20/100
48	700-862	0.4	0.4	20	1.25	150	100	20/100
49	700-900	0.4	0.4	20	1.25	150	100	20/100
50	703-862	0.4	0.4	20	1.25	150	100	20/100
51	750-950	0.4	0.4	20	1.25	150	100	20/100
52	770-860	0.3	0.3	23	1.20	150	100	20/100
53	800-1000	0.4	0.4	20	1.25	150	100	20/100
54	854-921	0.3	0.3	23	1.20	150	100	20/100
55	860-872	0.25	0.25	25	1.15	150	100	20/100
56	862-960	0.3	0.3	23	1.20	150	100	20/100
57	900-930	0.25	0.25	25	1.15	150	100	20/100
58	900-1000	0.3	0.3	23	1.20	150	100	20/100
59	900-1100	0.4	0.4	20	1.25	150	100	20/100
60	900-1300	0.5	0.5	19	1.25	150	100	20/100
61	950-1000	0.3	0.3	23	1.20	150	100	20/100
62	950-1260	0.4	0.4	20	1.25	150	100	20/100
63	950-1280	0.5	0.5	20	1.25	150	100	20/100
64	950-1450	0.6	0.6	17	1.35	150	100	20/100
65	960-1160	0.4	0.4	20	1.25	150	100	20/100
66	960-1215	0.4	0.4	20	1.25	150	100	20/100
67	960-1260	0.4	0.4	20	1.25	150	100	20/100
68	1000-1100	0.3	0.3	23	1.20	150	100	20/100
69	1000-1500	0.6	0.6	18	1.30	150	100	20/100
70	1015-1045	0.25	0.25	23	1.15	150	100	20/100
71	1020-1040	0.25	0.25	25	1.15	150	100	20/100
72	1020-1100	0.25	0.25	23	1.20	150	100	20/100
73	1022-1540	0.6	0.6	18	1.30	150	100	20/100
74	1030-1090	0.25	0.25	23	1.20	150	100	20/100

75	1100-1650	0.6	0.6	17	1.35	150	100	20/100
76	1100-1700	0.6	0.6	16	1.40	150	100	20/100
77	1160-1610	0.5	0.5	18	1.30	150	100	20/100
78	1200-1400	0.3	0.3	23	1.20	150	100	20/100
79	1200-1500	0.4	0.4	20	1.25	150	100	20/100
80	1285-1315	0.2	0.2	23	1.20	150	100	20/100
81	1290-1310	0.2	0.2	25	1.15	150	100	20/100
82	1300-1700	0.5	0.5	18	1.30	150	100	20/100
83	1350-1850	0.5	0.5	19	1.25	150	100	20/100
84	1400-1700	0.4	0.4	20	1.25	150	100	20/100
85	1500-1700	0.3	0.3	20	1.25	150	100	20/100
Environmental Specifications								
1	Operating Temperature	-30°C ~ +75°C						
2	Operating Temperature	-45°C ~ +85°C, optional						
3	Storage Temperature	-50°C ~ +90°C						
Mechanical Specifications								
1	Connectors[3]	SMA-Female; N-Female						
2	Cavity Material	Conductive Oxidized Aluminum						
3	Housing Material	Nickel-Plated Iron						
4	Conductor	Silver-Plated Brass						
5	Dimensions[4]	35.0x38.0x15.0 mm [1.38x1.50x0.59 in]						
6	Weight	SMA：Approx. 110 g; N：Approx. 138 g						

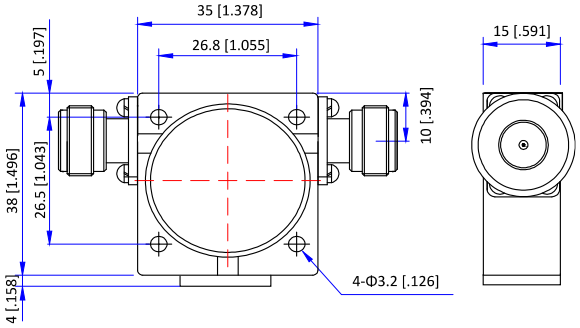
Outline Drawing (Units: mm [in]; Tolerance: ±0.3 mm [±0.01 in])



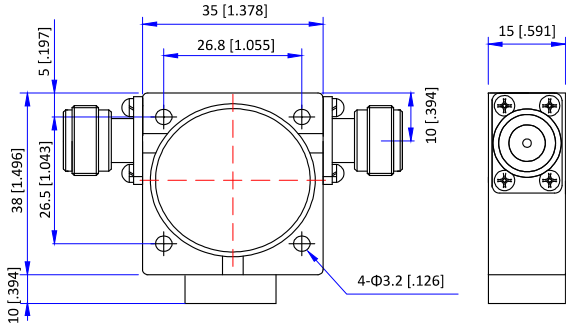
Outline A: SMA, 20W Reverse Power



Outline B: SMA, 100W Reverse Power



Outline C: N, 20W Reverse Power



Outline D: N, 100W Reverse Power

Ordering Information:

Model: FSCI3538A-FF-FF-RR-CC-[Options]

FF = Frequency Range in MHz
RR = Reverse Power Rating in W
CC = Connector Type (S=SMA; N=N-Type)
Options: E = Extended Temperature Range
Example: 300-320MHz, 100W Reverse Power, SMA→**FSCI3538A-300-320-100-S**

Notes:

1. Only part of the frequency range is listed. Other frequencies are available upon request.
2. Standard reverse power ratings are 20 W and 100 W. Others are available upon request.
3. Female connector is standard; male connector is available upon request.
4. Dimensions do not include connectors.