

FSCI4550A-250-1400

Coaxial Isolators, 250-1400MHz

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 40%					
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)		REV Power (W Max.)
					SMA	N	
4	250-300	0.6	20	1.25	150	300	20/100
5	280-310	0.4	23	1.20	150	300	20/100
6	285-295	0.3	23	1.20	150	300	20/100
7	289-359	0.5	19	1.25	150	300	20/100
8	290-310	0.3	23	1.20	150	300	20/100
9	292-332	0.4	20	1.25	150	300	20/100
10	300-350	0.5	20	1.25	150	300	20/100
11	300-400	0.6	18	1.30	150	300	20/100
12	300-420	0.8	13	1.60	150	300	20/100
13	320-415	0.8	18	1.40	150	300	20/100
14	345-415	0.6	20	1.25	150	300	20/100
15	350-400	0.4	20	1.20	150	300	20/100
16	350-470	0.5	19	1.25	150	300	20/100
17	360-440	0.4	20	1.25	150	300	20/100
18	360-470	0.5	20	1.25	150	300	20/100
19	375-415	0.4	20	1.25	150	300	20/100
20	380-480	0.5	18	1.30	150	300	20/100
21	400-430	0.25	25	1.15	150	300	20/100
22	400-500	0.5	20	1.25	150	300	20/100
23	400-520	0.5	18	1.30	150	300	20/100
24	400-550	0.6	18	1.30	150	300	20/100
25	400-600	0.9	14	1.60	150	300	20/100
26	412-512	0.5	20	1.25	150	300	20/100
27	440-470	0.25	25	1.15	150	300	20/100
28	450-600	0.5	18	1.30	150	300	20/100
29	460-605	0.5	18	1.30	150	300	20/100
30	470-520	0.4	20	1.25	150	300	20/100

31	470-610	0.5	18	1.30	150	300	20/100
32	470-650	0.6	18	1.30	150	300	20/100
33	500-700	0.7	15	1.50	150	300	20/100
34	520-570	0.3	23	1.20	150	300	20/100
35	570-610	0.3	23	1.20	150	300	20/100
36	600-900	0.8	15	1.50	150	300	20/100
37	610-960	0.8	17	1.50	150	300	20/100
38	620-862	0.5	20	1.25	150	300	20/100
39	690-1000	0.6	18	1.30	150	300	20/100
40	698-960	0.5	20	1.25	150	300	20/100
41	700-1000	0.6	20	1.25	150	300	20/100
42	760-1010	0.5	20	1.25	150	300	20/100
43	800-900	0.3	23	1.20	150	300	20/100
44	800-1000	0.4	20	1.25	150	300	20/100
45	800-1200	0.6	16	1.40	150	300	20/100
46	806-960	0.3	23	1.20	150	300	20/100
47	850-1000	0.4	23	1.20	150	300	20/100
48	850-1150	0.4	20	1.25	150	300	20/100
49	1010-1110	0.3	23	1.20	150	300	20/100
50	1200-1300	0.3	23	1.20	150	300	20/100
51	1200-1400	0.3	20	1.20	150	300	20/100

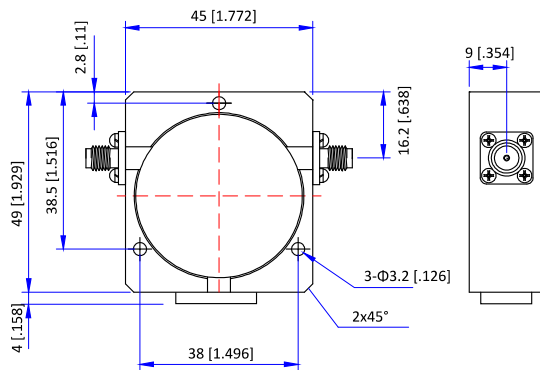
Environmental Specifications

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

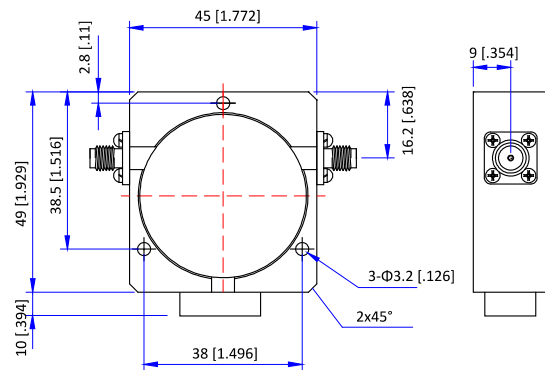
Mechanical Specifications

1	Connectors ²	SMA-Female; N-Female
2	Cavity Material	Conductive Oxidized Aluminum
3	Housing Material	Nickel-Plated Iron
4	Conductor	Silver-Plated Brass
5	Dimensions ³	45.0x49.0x18.0 mm [1.77x1.93x0.71 in]
6	Weight	Approx. 260 g / 290 g

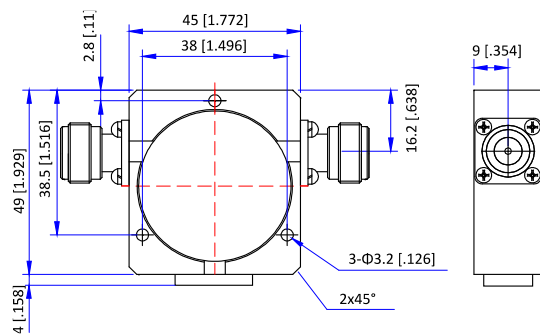
Outline Drawing (Units: mm [in]; Tolerance: ± 0.3 mm [± 0.01 in])



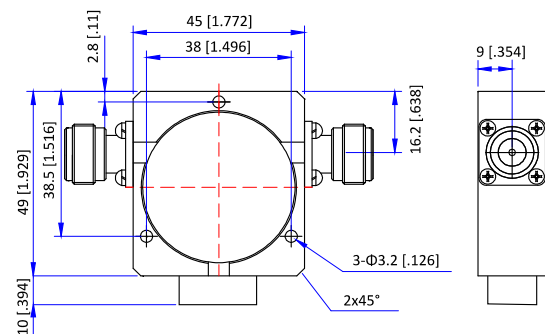
Outline A: SMA, 20W Reverse Power



Outline B: SMA, 100W Reverse Power



Outline C: N, 20W Reverse Power



Outline D: N, 100W Reverse Power

Ordering Information:

Model: FSCI4550A-FF-FF-RR-CC

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

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

Example: 250-300MHz, 100W Reverse Power, SMA → **FSCI4550A-250-300-100-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 and load.