

FSCC6060A-40-400

Coaxial Circulator, 40-400 MHz

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 50%			
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Power (W Max.)
4	40-45	1.8	18.0	1.30	50
5	45-50	1.4	18.0	1.30	50
6	45-55	1.6	18.0	1.30	50
7	47-61	1.5	18.0	1.30	50
8	50-75	1.2	18.0	1.30	50
9	55-65	0.8	20.0	1.25	50
10	55-75	1.0	18.0	1.30	50
11	60-65	0.6	20.0	1.25	50
12	60-80	0.8	20.0	1.25	50
13	65-70	0.6	20.0	1.25	100
14	68-88	0.7	20.0	1.25	100
15	70-85	0.6	20.0	1.25	150
16	70-90	0.7	20.0	1.25	100
17	75-100	0.7	19.0	1.25	100
18	80-120	1.0	18.0	1.30	50
19	85-135	1.1	18.0	1.30	50
20	87-108	0.6	20.0	1.25	150
21	88-138	1.0	18.0	1.30	50
22	90-100	0.5	20.0	1.20	150
23	100-130	0.6	20.0	1.25	150
24	100-140	0.8	20.0	1.25	100
25	100-150	0.9	18.0	1.30	100
26	108-118	0.5	23.0	1.20	150
27	108-137	0.6	20.0	1.25	150
28	116-138	0.6	20.0	1.20	150
29	118-137	0.6	20.0	1.20	150
30	118-161	0.6	20.0	1.25	150
31	130-180	0.5	20.0	1.25	150
32	130-190	0.6	18.0	1.25	150

33	135-155	0.5	20.0	1.20	150
34	135-195	0.6	18.0	1.30	150
35	136-174	0.5	20.0	1.25	150
36	140-150	0.40	20.0	1.25	150
37	146-174	0.50	20.0	1.15	150
38	150-170	0.40	20.0	1.20	150
39	150-200	0.50	20.0	1.25	150
40	150-225	0.60	18.0	1.30	150
41	153-157	0.40	23.0	1.20	150
42	157-159	0.40	23.0	1.20	150
43	160-170	0.40	23.0	1.20	150
44	165-175	0.40	23.0	1.20	150
45	166-172	0.40	23.0	1.20	150
46	170-200	0.50	20.0	1.25	150
47	170-230	0.60	20.0	1.25	150
48	175-215	0.50	20.0	1.25	150
49	180-230	0.50	20.0	1.25	150
50	180-240	0.60	20.0	1.25	150
51	200-270	0.60	20.0	1.25	150
52	200-300	0.60	19.0	1.25	150
53	225-400	0.80	18.0	1.30	100
54	233-253	0.40	23.0	1.20	150

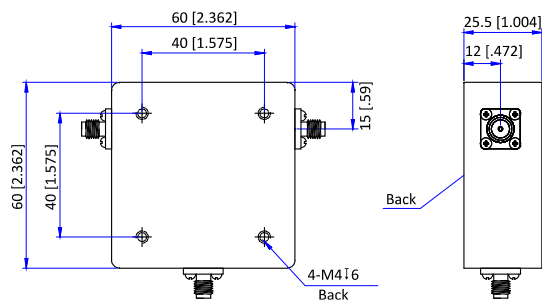
Environmental Specifications

1	Operating Temperature	-20°C ~ +70°C
2	Storage Temperature	-50°C ~ +90°C

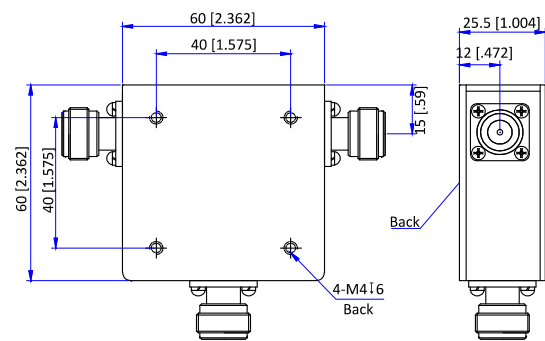
Mechanical Specifications

1	Connectors ²	N-Female; SMA-Female
2	Housing Material	Nickel-Plated Iron
3	Inner Conductor	Silver-Plated Brass
4	Connector Body	N: Nickel-Plated Brass; SMA: Gold-Plated Brass
5	Dimensions ³	60.0x60.0x25.5 mm [2.36x2.36x1.00 in]
6	Weight	Approx. 340 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: FSCC6060A-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: 0.14-0.15GHz, SMA-Female, Clockwise Circulation → **FSCC6060A-140-150-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.