

FSCI6060A-40-400

Coaxial Isolators, 40-400MHz

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 50%				
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)	REV Power ² (W Max.)
4	40-45	1.8	18	1.30	50	20/50
5	45-50	1.4	18	1.30	50	20/50
6	45-55	1.6	18	1.30	50	20/50
7	47-61	1.5	18	1.30	50	20/50
8	50-75	1.2	18	1.30	50	20/50
9	55-65	0.8	20	1.25	50	20/50
10	55-75	1	18	1.30	50	20/50
11	60-65	0.6	20	1.25	50	20/50
12	60-80	0.8	20	1.25	50	20/50
13	65-70	0.6	20	1.25	100 (N) / 150 (S)	20/100
14	68-88	0.7	20	1.25	100	20/100
15	70-85	0.6	20	1.25	150	20/100
16	70-90	0.7	20	1.25	100	20/100
17	75-100	0.7	19	1.25	100	20/100
18	80-120	1	18	1.30	50	20/100
19	85-135	1.1	18	1.30	50	20/100
20	87-108	0.6	20	1.25	150	20/100
21	88-138	1	18	1.30	50	20/100
22	90-100	0.5	20	1.20	150	20/100
23	100-130	0.6	20	1.25	150	20/100
24	100-140	0.8	20	1.25	100	20/100
25	100-150	0.9	18	1.30	100	20/100
26	108-118	0.5	23	1.20	150	20/100
27	108-137	0.6	20	1.25	150	20/100
28	116-138	0.6	20	1.20	150	20/100
29	118-137	0.6	20	1.20	150	20/100
30	118-161	0.6	20	1.25	150	20/100

31	130-180	0.5	20	1.25	150	20/100
32	130-190	0.6	18	1.25	150	20/100
33	135-155	0.5	20	1.20	150	20/100
34	135-195	0.6	18	1.30	150	20/100
35	136-174	0.5	20	1.25	150	20/100
36	140-150	0.4	20	1.25	150	20/100
37	146-174	0.5	20	1.15	150	20/100
38	150-170	0.4	20	1.20	150	20/100
39	150-200	0.5	20	1.25	150	20/100
40	150-225	0.6	18	1.30	150	20/100
41	153-157	0.4	23	1.20	150	20/100
42	157-159	0.4	23	1.20	150	20/100
43	160-170	0.4	23	1.20	150	20/100
44	165-175	0.4	23	1.20	150	20/100
45	166-172	0.4	23	1.20	150	20/100
46	170-200	0.5	20	1.25	150	20/100
47	170-230	0.6	20	1.25	150	20/100
48	175-215	0.5	20	1.25	150	20/100
49	180-230	0.5	20	1.25	150	20/100
50	180-240	0.6	20	1.25	150	20/100
51	200-270	0.6	20	1.25	150	20/100
52	200-300	0.6	19	1.25	150	20/100
53	225-400	0.8	18	1.30	100	20/100
54	233-253	0.4	23	1.20	150	20/100

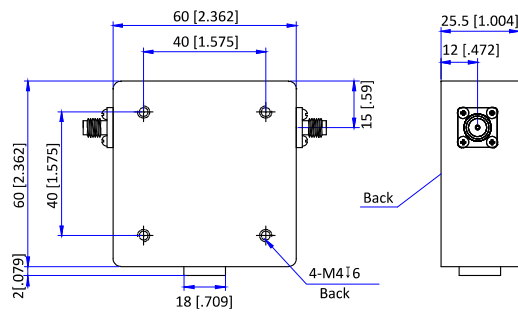
Environmental Specifications

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

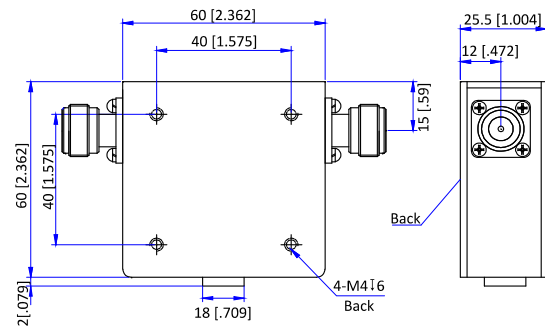
Mechanical Specifications

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	60.0x60.0x25.0 mm [2.36x2.36x0.98 in]
6	Weight	Approx. 310 g / 340 g

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



Outline A: SMA Connector



Outline B: N Connector

Ordering Information:

Model: FSCI6060A-FF-FF-RR-CC

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

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

Example: 40-45MHz, 100W Reverse Power, SMA → **FSCI6060A-40-45-100-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, 50 W and 100 W; all with the same outline dimensions.
3. Female connector is standard; male connector is available upon request.
4. Dimensions do not include connectors.