

FSCI5258A-150-330

Coaxial Isolators, 150-330MHz

Features:

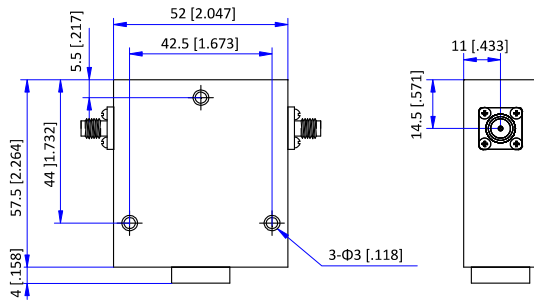
- Excellent Temperature Stability
- Compact Size
- High Reverse Power Handling
- RoHS Compliant

Applications:

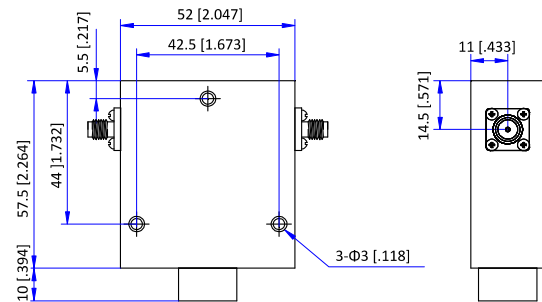
- RF Power Amplifiers and PA Protection
- Wireless Communications
- Satellite Communications
- 2G, 3G, 4G, 5G Communication systems

Electrical Specifications							
1	Nominal Impedance	50 Ω					
2	Frequency Bandwidth	Up to 20%					
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	
4	150-170	0.9	18	1.30	150	200	20/100
5	160-166	0.7	20	1.25	150	300	20/100
6	160-170	0.8	18	1.30	150	300	20/100
7	180-184	0.5	20	1.20	150	300	20/100
8	192-232	0.8	18	1.30	150	300	20/100
9	200-210	0.4	23	1.20	150	300	20/100
10	200-220	0.4	20	1.25	150	300	20/100
11	215-223	0.4	23	1.20	150	300	20/100
12	220-240	0.4	20	1.25	150	300	20/100
13	225-270	0.6	19	1.25	150	300	20/100
14	230-240	0.4	23	1.20	150	300	20/100
15	235-255	0.4	20	1.25	150	300	20/100
16	260-270	0.3	23	1.20	150	300	20/100
17	260-330	0.6	18	1.30	150	300	20/100
Environmental Specifications							
1	Operating Temperature	-30°C ~ +70°C					
2	Extended Temperature	-40°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	52.0x57.5x22.0 mm [2.05x2.26x0.87 in]					
6	Weight	Approx. 310 g / 320 g					

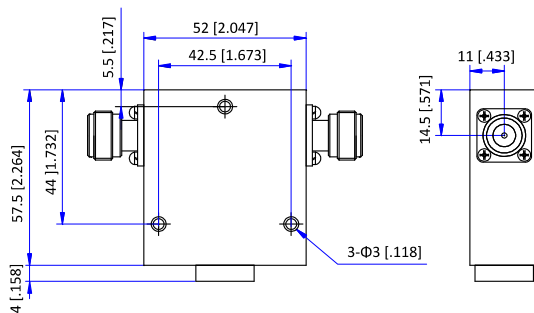
Outline Drawing (Units: mm [in]; Tolerance: ± 0.3 mm [± 0.01 in])



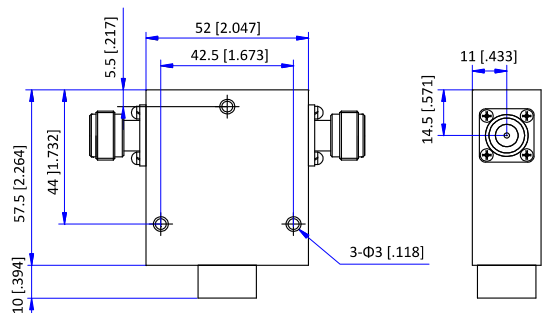
Outline A: SMA, 20W Reverse Power



Outline B: SMA, 100W Reverse Power



Outline C: N, 20W Reverse Power



Outline D: N, 100W Reverse Power

Ordering Information:

Model: FSCI5258A-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: 150-170MHz, 100W Reverse Power, SMA → **FSCI5258A-150-170-100-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. Full-reflection reverse power rating is available upon request.
3. Female connector is standard; male connector is available upon request.
4. Dimensions do not include connectors.