

FSCI4149A-300-1000

Coaxial Isolators, 300-1000MHz

Features:

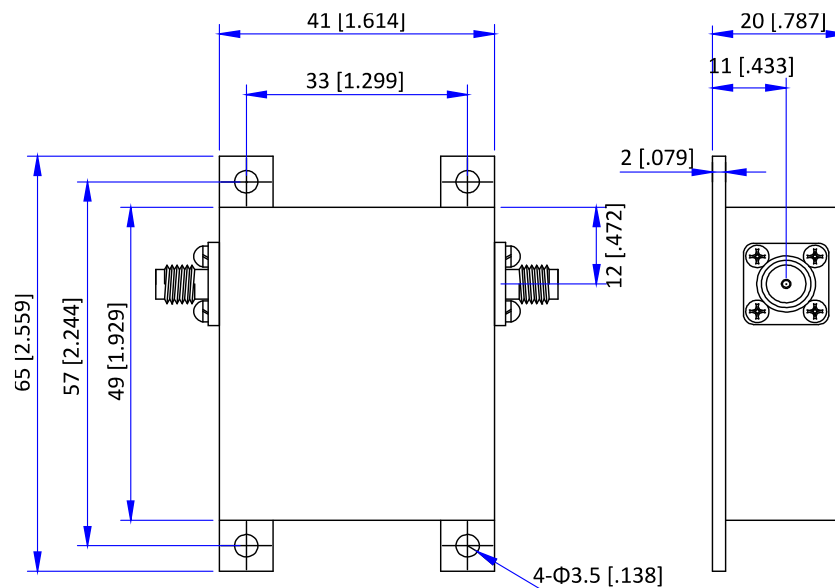
- Excellent Temperature Stability
- Compact Size
- High Reverse Power Handling
- RoHS Compliant

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)	IL. (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)	REV Power (W Max.)	Notes
4	300-475	0.8	18	1.35	100	20	+25 ± 5°C
		1.0	16	1.40			0~+60°C
		1.2	14	1.60			-40~+85°C
5	400-600	0.6	20	1.25	100	20	+25 ± 5°C
		0.7	18	1.30			-10~+60°C
6	600-1000	1.0	16	1.40	100	20	-10~+60°C
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 ²	SMA-Female					
2	Cavity Material	Conductive Oxidized Aluminum					
3	Housing Material	Nickel-Plated Iron					
4	Conductor	Silver-Plated Brass					
5	Dimensions ³	41.0x49.0x20.0 mm [1.61x1.93x0.79 in]					
6	Weight	Approx. 360 g					

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



Ordering Information:

Model: FSCI4149A-FF-FF-RR-CC-[Options]

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

CC = Connector Type (S=SMA)

Options: E = Extended Temperature Range

Example: 300-475MHz, 20W Reverse Power, SMA → **FSCI4149A-300-475-20-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.