

FSCC4149A-300-1000-S

Coaxial Circulator, 0.3-1GHz, 100W, SMA

Features:

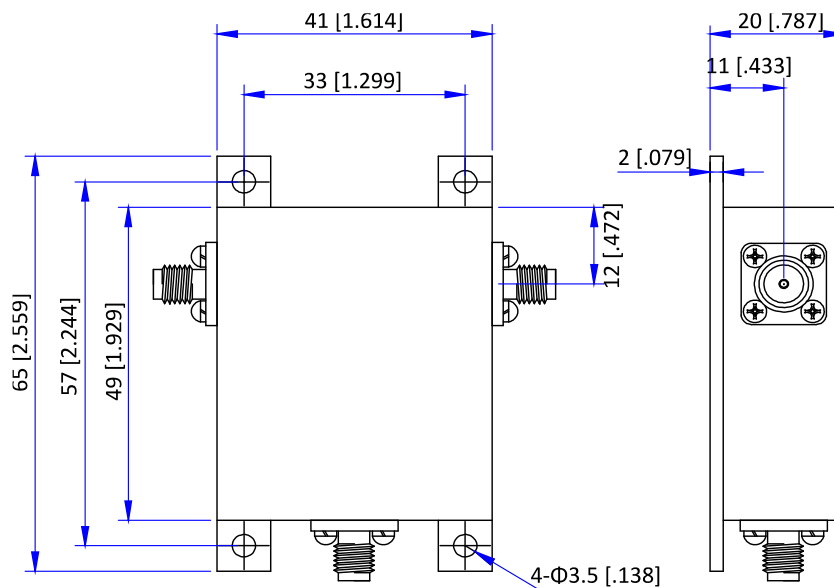
- Excellent Temperature Stability
- Compact Size
- High Power Handling
- RoHS Compliant

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.)	Notes
4	300-450	0.80	17.0	1.35	100	0~+60°C
5	300-475	0.80	18	1.35	100	+25 ± 5°C
	300-500	1.00	16	1.40	100	0~+60°C
	330-460	1.20	14	1.60	100	-40~+85°C
6	400-600	0.90	17.0	1.35	100	0~+60°C
7	330-460	0.80	17.0	1.35	100	0~+60°C
8	400-600	0.60	20.0	1.25	100	+25 ± 5°C
		0.70	18.0	1.30	100	0~+60°C
9	600-1000	1.00	16.0	1.40	100	0~+60°C
Environmental Specifications						
1	Operating Temperature	0°C ~ +60°C				
2	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	Inner Conductor	Silver-Plated Brass				
5	Connector Body	Gold-Plated Brass				
6	Dimensions ³	41.0x49.0x20.0 mm [1.61x1.93x0.79 in]				
7	Weight	Approx. 360 g				

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



Ordering Information:

Model: FSCC4149A-FF-FF-CC-[Options]

FF = Frequency Range in MHz

CC = Connector Type (S=SMA)

Options: R= Counterclockwise Circulation (Default: Clockwise Circulation)

Example: 0.3-0.45 GHz, SMA, Clockwise→**FSCC4149A-300-450-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.