

FSCI1017A-17000-31000

Coaxial Isolators, 17-31GHz

Features:

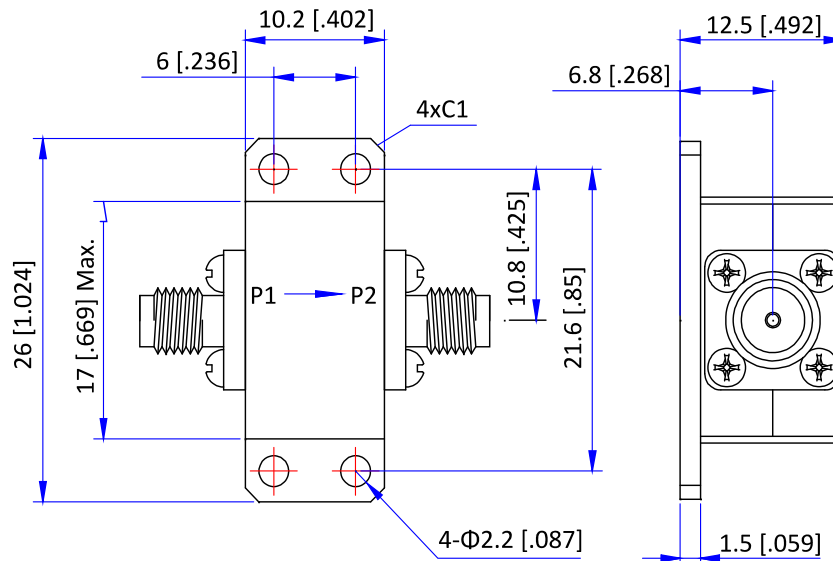
- Excellent Temperature Stability
- Compact Size
- High Reverse Power Handling
- RoHS Compliant

Applications

- RF Power Amplifiers and PA Protection
- Wireless Communications
- Satellite Communications
- Radar systems

Electrical Specifications						
1	Nominal Impedance	50 Ω				
2	Frequency Bandwidth	Up to 38%				
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)	REV Power ² (W Max.)
4	17000-20500	0.7	20	1.30	10	2
5	18000-26500	0.9	20	1.30	10	2
6	22000-28000	1.2	20	1.30	5	1
7	25000-28000	1.0	20	1.30	5	1
8	27000-31000	1.0	20	1.30	5	1
Environmental Specifications						
1	Operating Temperature	-10°C ~ +60°C				
2	Storage Temperature	-50°C ~ +90°C				
Mechanical Specifications						
1	Connectors ³	2.92mm-Female				
2	Cavity Material	Conductive Oxidized Aluminum				
3	Housing Material	Nickel-Plated Iron				
4	Conductor	Silver-Plated Brass				
5	Dimensions ⁴	10.2x16.0x12.5 mm [0.40x0.63x0.49 in]				
6	Weight	Approx. 40 g				

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



Ordering Information:

Model: FSCI1017A-FF-FF-RR-CC

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

CC = Connector Type (K=2.92mm)

Example: 17-20.5GHz, 2W Reverse Power, 2.92mm → **FSCI1017A-17000-20500-2-K**

Notes:

1. Only part of the frequency range is listed. Other frequencies are available upon request.
2. The reverse power rating is only as listed in the table.
3. This isolator without connectors can be used as an embedded isolator.
4. Dimensions do not include connectors.