

Single Junction Drop-In Isolator 2.7 GHz—3.1 GHz

Rev. 03

Applications

- ◆ RADAR

Features

- ◆ RoHS Compliant
- ◆ BeO free

Electrical Specifications

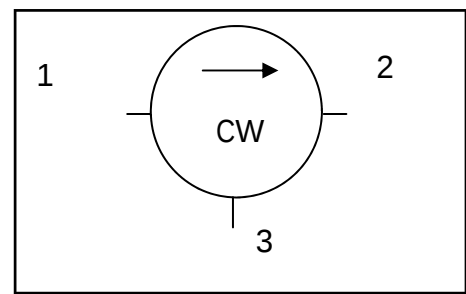
Parameter	Conditions	Units	Min	Typ	Max
Frequency Range		MHz	2700		3100
Impedance		Ω		50	
Insertion Loss		dB			0.30
Isolation		dB	20		
Return Loss		dB	20		

1. All specifications guaranteed over the operating temperature range unless otherwise stated.
2. See Application Note ANI-001 for further details.

Pin Configuration

Terminal	Designation	Function
1	Port 1	In
2	Port 2	Out
3	Port 3	Terminated

Functional Block Diagram



Absolute Maximum Ratings

Parameter	Conditions	Units	Min	Max
Input Power		W		1300
Reverse Power		W		75
Operating Temperature Range		°C	-40	+85
Storage Temperature Range		°C	-55	+125

Application Notes Available

Application Note	Description
ANI-001	IMD Measurement of Ferrite Isolators and Circulators
ANI-003	Maximum Peak Power of Ferrite Junctions
ANI-004	Base Plate Temperature of Ferrite Isolators and Circulators
ANI-007	Reflow Soldering Guidelines
ANI-008	Curie Temperature of Isolators and Circulators
ANI-009	Tape and Reel Information for Isolators and Circulators

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Technical drawing of a mechanical part, showing two views: a top view and a side view.

Top View Dimensions:

- Overall width: 19.0
- Distance from left edge to center of mounting hole: 14.5
- Distance from top edge to center of mounting hole: 2.3
- Distance from left edge to center of circular hole: 6.2
- Distance from top edge to center of circular hole: 0.7
- Distance from right edge to center of mounting hole: 2.3
- Distance from bottom edge to center of mounting hole: 20.9
- Overall height: 25.4
- Mounting hole diameter: $\phi 2.8$

Side View Dimensions:

- Overall height: 8.9
- Distance from bottom edge to center of mounting hole: 2.5
- Distance from top edge to center of mounting hole: 3.1

- | Rev | Date | Description | By |
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