MAFR-000355-000001



Single Junction Drop-In Circulator 2110 MHz—2170 MHz

Rev. 02

Applications

- ♦ Wireless Infrastructure
- ♦ WCDMA

Features

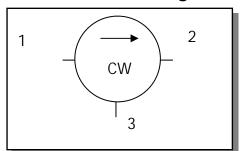
- ♦ RoHS Compliant
- ♦ BeO free

Electrical Specifications

Parameter	Conditions	Units	Min	Тур	Max
Frequency Range		MHz	2110		2170
Impedance		Ω		50	
Insertion Loss		dB			0.25
Isolation		dB	20		
Return Loss		dB	20		
Forward Intermodulation	2 x 30W CW tones, 5MHz spacing	dBc			-70

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

Functional Block Diagram



Pin Configuration

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

Absolute Maximum Ratings

Parameter	Conditions	Units	Min	Max
Input Power		W		500
Reverse Power		W		500
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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PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology

PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology Solutions has under development. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed.

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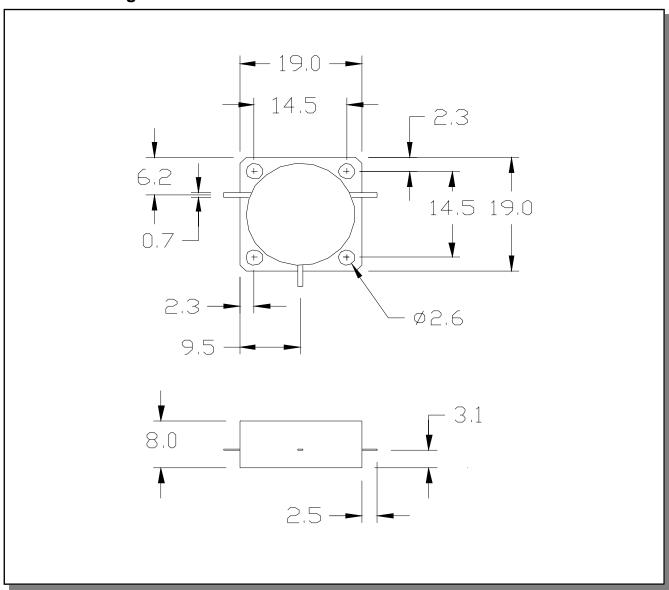
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Outline Drawing



- 1. Dimensions in mm.
- 2. Tolerance: ±0.2mm unless otherwise noted.
- 3. Lead thickness is 0.12mm.
- 4. Model number, lot code and port designation printed on top side of unit.

Plating

Section	Material	Plating
Leads	Copper	Silver
Housing	Steel	Silver

ECO History

Rev	Date	Description	Ву
02	17/9/2009	Update to new format	ВН

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