# MAFRIN0495

#### Single Junction Circulator 860 MHz—872 MHz

#### **Applications**

♦ Wireless Infrastructure

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### **Electrical Specifications**

Parameter	Conditions	Units	Min	Тур	Max
Frequency Range		MHz	860		872
Impedance		Ω		50	
Insertion Loss		dB			0.25
Isolation		dB	23		
VSWR					1.15:1

1. All specifications guaranteed over the operating temperature range unless otherwise stated.

2. See Application Note ANI-001 for further details.

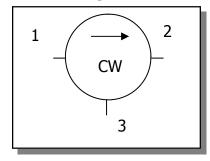
#### **Absolute Maximum Ratings**

Parameter	Conditions	Units	Min	Max
Input Power		W		1000
Reverse Power		W		500
Operating Temperature Range		°C	-10	+85
Storage Temperature Range		°C	-55	+125

#### **Block Diagram**

**Features** 

RoHS Compliant
BeO free



#### **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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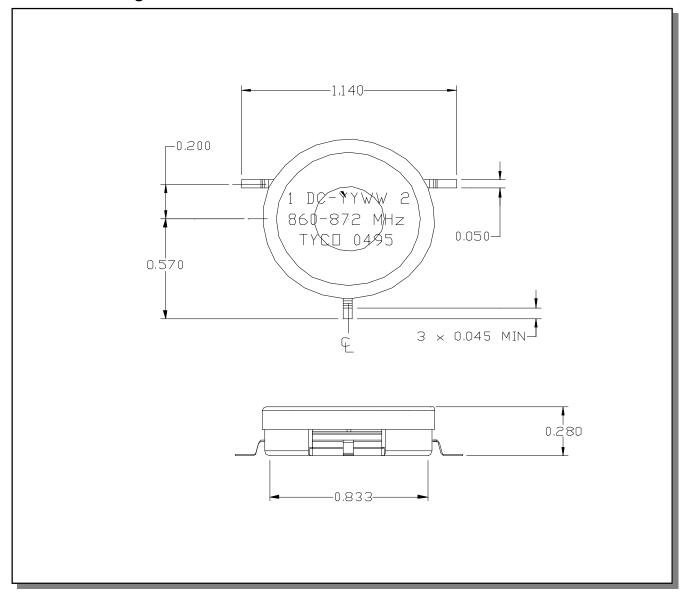


Rev. B

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### **Outline Drawing**



- 1. Dimensions in inches.
- 2. Tolerance: ±0.020" unless otherwise noted.
- 3. Lead thickness is 0.005".
- 4. Model number, lot code and port designation printed on top side of unit.

#### Plating

Section	Material	Plating
Leads	Copper	Silver
Housing	Steel	Tin

#### **ECO History**

Rev	Date	Description	Ву
В	6/01/2010	Create datasheet	BH

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