

Single Junction Robust Lead Circulator 860 MHz—960 MHz

Rev. C

Applications

- ◆ Wireless Infrastructure
- ◆ GSM

Features

- ◆ RoHS Compliant
- ◆ BeO free

Electrical Specifications

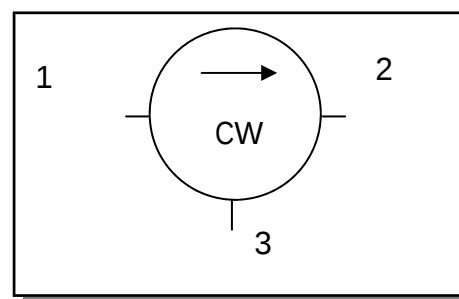
Parameter	Conditions	Units	Min	Typ	Max
Frequency Range		MHz	860		960
Impedance		Ω		50	
Insertion Loss		dB			0.40
Insertion Loss	902 MHz to 928 MHz	dB			0.35
Isolation		dB	20		
Isolation	902 MHz to 928 MHz	dB	22		
VSWR					1.22:1

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

Pin Configuration

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

Functional Block Diagram



Absolute Maximum Ratings

Parameter	Conditions	Units	Min	Max
Input Power		W		200
Reverse Power		W		200
Operating Temperature Range		°C	-10	+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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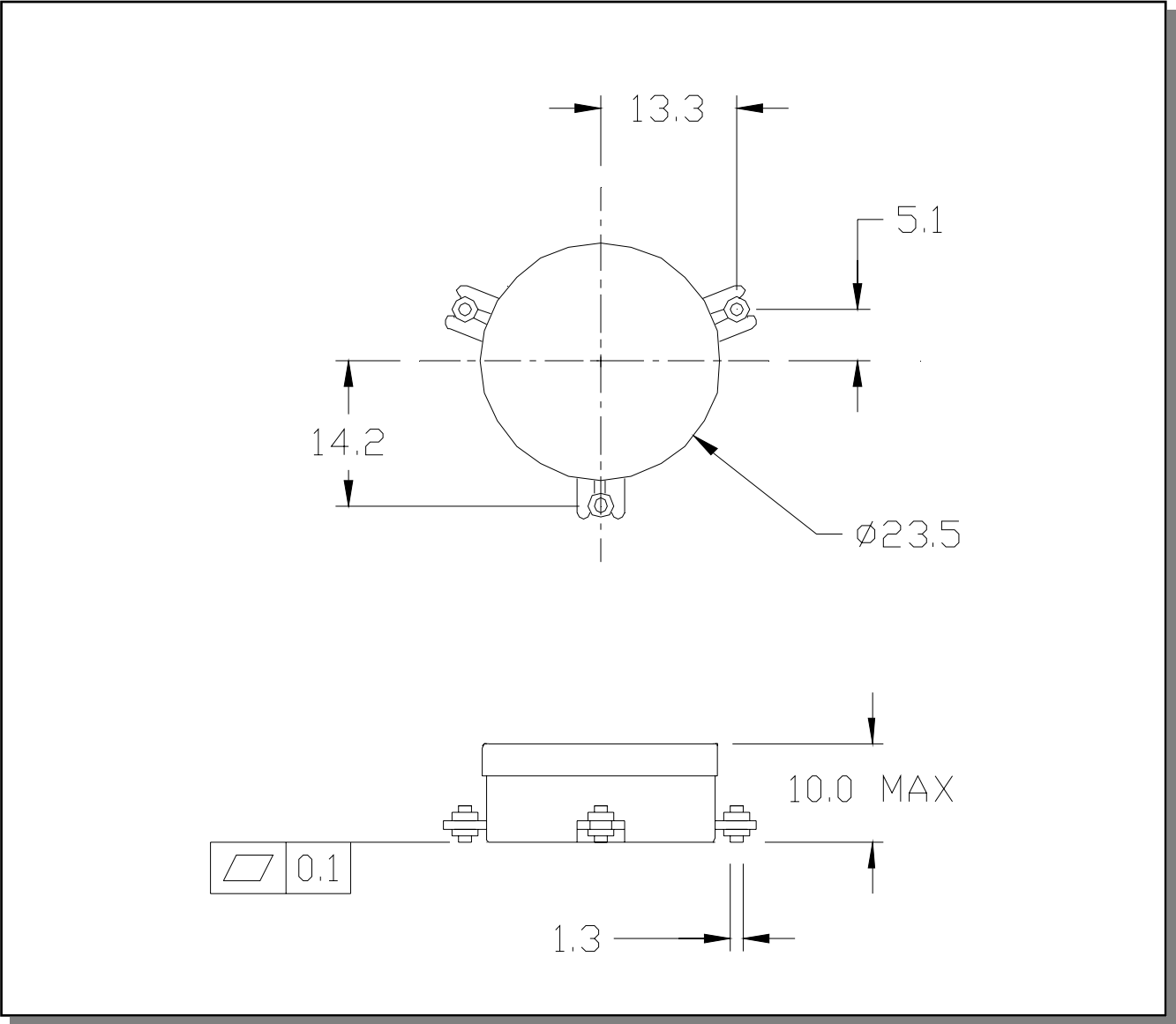
• **North America** Tel: 800.366.2266 • **Europe** Tel: +353.21.244.6400
 • **India** Tel: +91.80.43537383 • **China** Tel: +86.21.2407.1588
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Single Junction Robust Lead Circulator
860 MHz—960 MHz

Rev. C

Outline Drawing



- 1. Dimensions in mm.
- 2. Tolerance: $\pm 0.2\text{mm}$ 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	Gold
Housing	Steel	Gold

ECO History

Rev	Date	Description	By
C	16/9/2009	Update to new format	BH