

# MABA-010386-CA3A40



Auto-Transformer 1:3  
5 MHz - 2400 MHz

Rev. V1

## Features

- 1:3 Impedance Ratio
- Surface Mount
- Tape and reel packaging available
- 260°C Reflow Compatible
- RoHS\* compliant



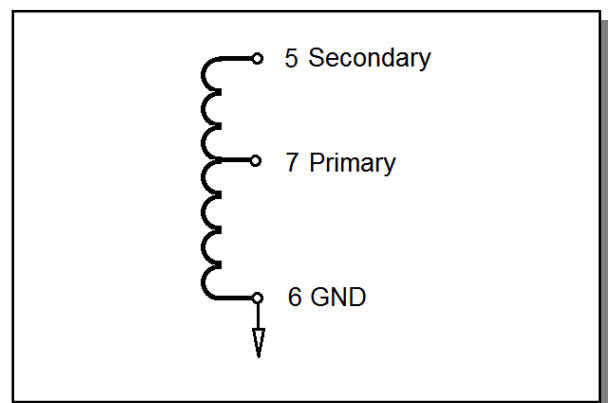
**Electrical Specifications:**  $Z_0 = 75\Omega$ ,  $T_A = 25^\circ\text{C}$ ,  $P_{in} = 0\text{dBm}$

Parameter	Conditions	Units	Min	Typ	Max
Frequency Range		MHz	5		2400
Impedance		$\Omega$		75	
Main Line Loss	5 - 2400 MHz	dB	-	3.03	5.0

## Pin Configuration

Pin No.	Function
1	Not Connected
2	Not Connected
3	Not Connected
4	Not Connected
5	Secondary
6	GND
7	Primary

## Schematic



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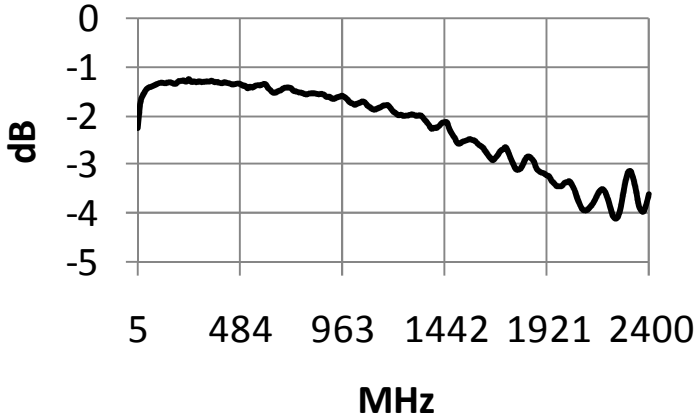
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## Main Line Loss :



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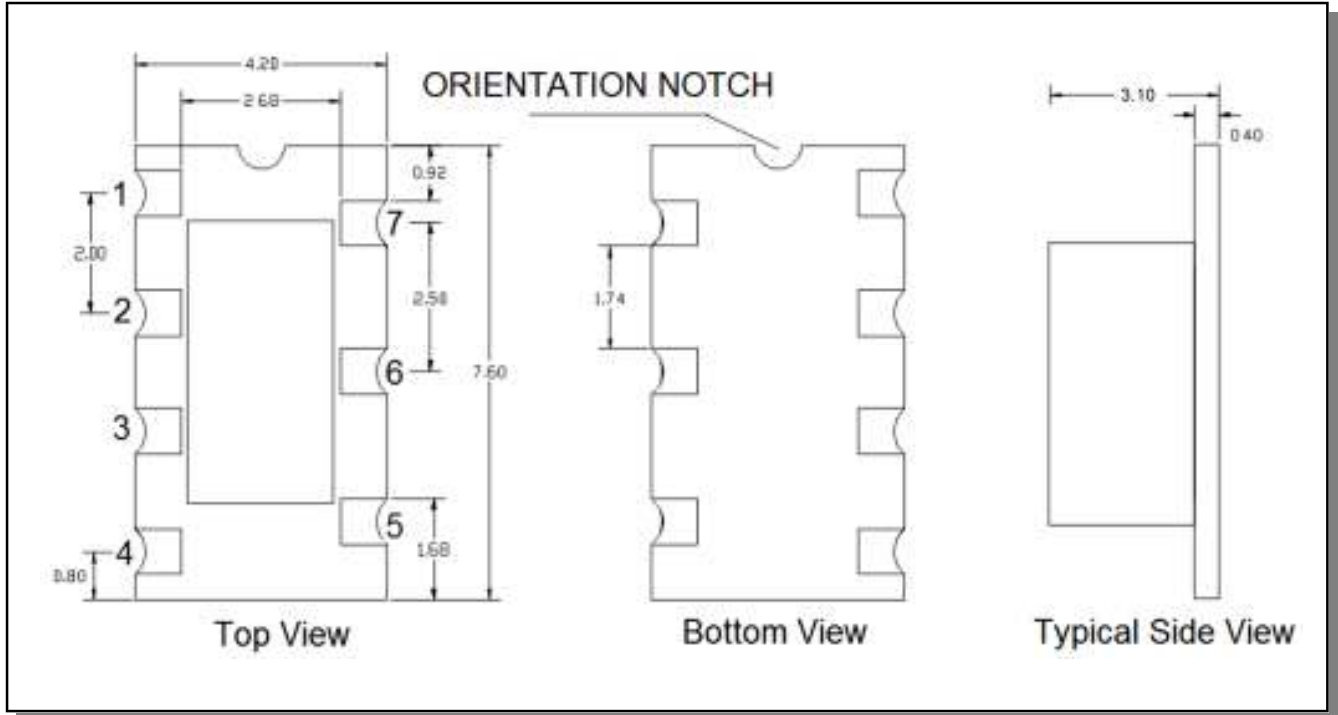
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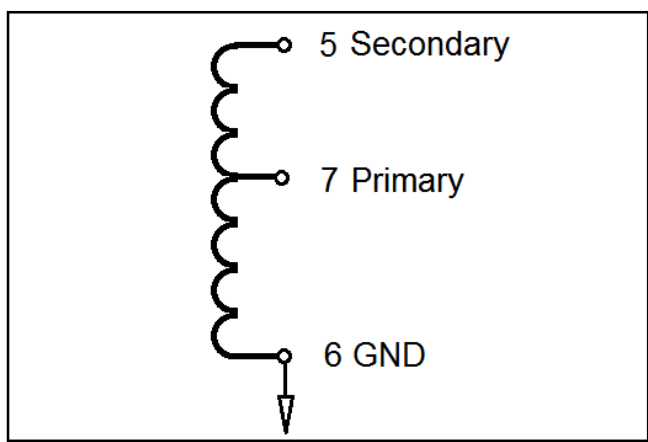
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## Outline Drawing

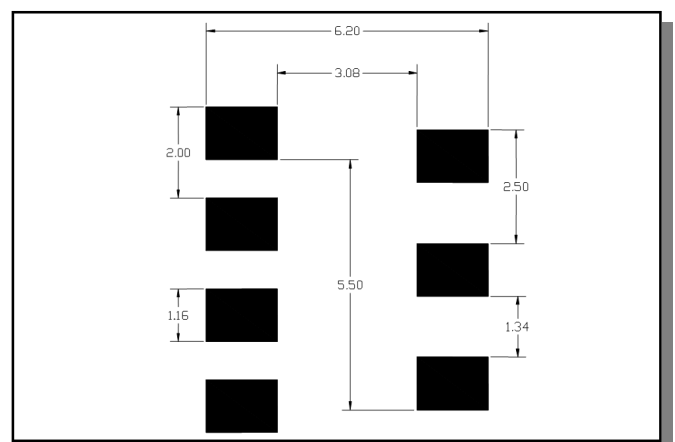


1. Dimensions in mm.
2. Tolerance:  $\pm 0.2$ mm unless otherwise noted.
3. Model number and lot code printed on reel.
4. Finish: Electroless Nickel Immersion Gold.

## Application Circuit



## Recommended Footprint



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## Tape & Reel Information

Parameter	Units	Value
Qty per reel	-	2000
Reel size	mm	330
Tape width (W)	mm	16.0
Pitch (P <sub>1</sub> )	mm	8.0
A <sub>0</sub>	mm	4.5
B <sub>0</sub>	mm	8.0
K <sub>0</sub>	mm	3.2
Orientation	-	F45
Reference Application Note ANI-019 for orientation		

## Ordering Information

Part Number	Description
MABA-010386-CA3A40	Tape & Reel

## Recommended Maximum Ratings

Parameter	Units	Min	Max
Input Power	mW		250
DC Current	mA		200
Operating Temperature Range	°C	-40	+85
Storage Temperature Range	°C	-55	+125

Temperature data available on request

## ECO History

Rev	Date	Description	ECO
V1	2010-9-7	New Release	20101297

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