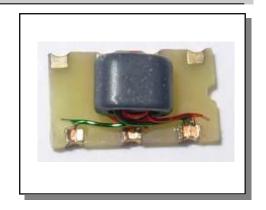


Auto-Transformer 1:3 5 MHz - 2400 MHz

Rev. V1

#### **Features**

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



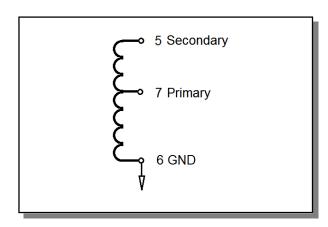
## **Electrical Specifications:** $Z_0 = 75\Omega$ , $T_A = 25$ °C, $P_{in} = 0$ dBm

Parameter	Conditions	Units	Min	Тур	Max
Frequency Range		MHz	5		2400
Impedance		Ω		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**



ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed.

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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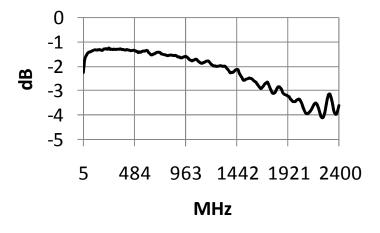
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Auto-Transformer 1:3 5 MHz - 2400 MHz

Rev. V1

#### Main Line Loss:



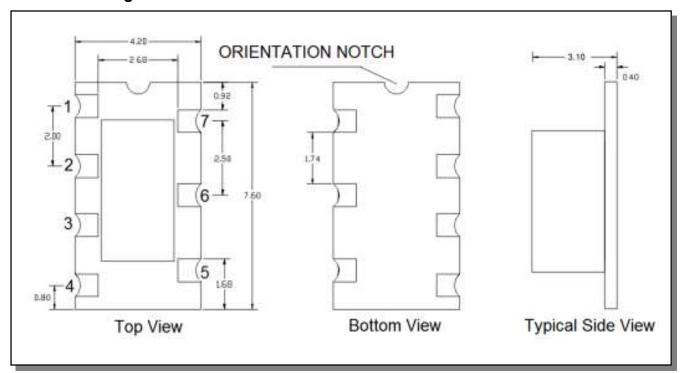
Electrical Specifications:  $Z_0 = 75\Omega$ ,  $T_A = 25$ °C,  $P_{in} = 0$ dBm



**Auto-Transformer 1:3** 5 MHz - 2400 MHz

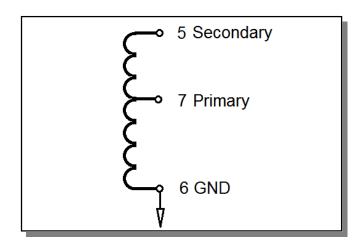
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### **Outline Drawing**

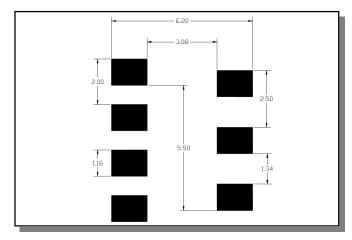


- Dimensions in mm.
- Tolerance: ±0.2mm unless otherwise noted.
- 3. Model number and lot code printed on reel.
- Finish: Electroless Nickel Immersion Gold.

## **Application Circuit**



### **Recommended Footprint**



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Auto-Transformer 1:3 5 MHz - 2400 MHz

Rev. V1

#### **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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