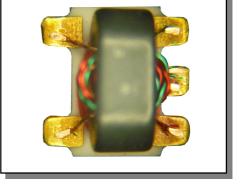
E-Series RF 1:4 Coupled Step-Up Transformer 1MHz - 350 MHz

Features

- Surface mount
- Wide frequency range
- 1:4 Impedance Ratio
- CT on Secondary
- Lead Free
- RoHS* Compliant and is 260⁰C reflow compatible.
- Available on Tape and Reel, reel quantity 2000



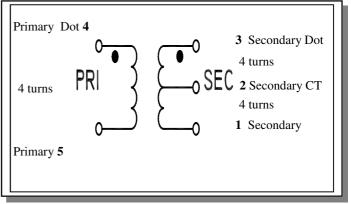
Electrical Specifications: $Z_0 = 50\Omega$, $T_A = 25 \text{ °C}$, $P_{in} = 0 \text{ dBm}$

Parameter	Test Conditions	Frequency	Units	Min	Тур	Мах
RF Frequency	_	1 - 350	MHz	_	—	—
Insertion Loss	F _L —f _U	5 - 100 2 - 300 1 - 350	dB dB dB		 1.21 	1.0 2.0 3.0
Amplitude Unbalance	_	5 - 100 1 - 350	dB dB	_	_	0.1 0.5
Phase Unbalance	_	5 - 100 1 - 350	Degrees Degrees		_	1.0 5.0

Pin Configuration

Pin No.	Function	
1	Secondary	
2	Secondary CT	
3	Secondary Dot	
4	Primary Dot	
5	Primary	

Schematic



1

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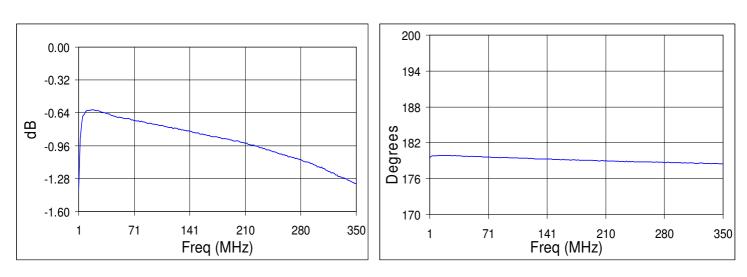


Rev. V1

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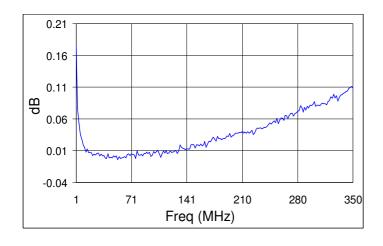
Rev. V1



Isolation: Pin 3 to 6

Insertion Loss

Return Loss: Output Pin 4



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

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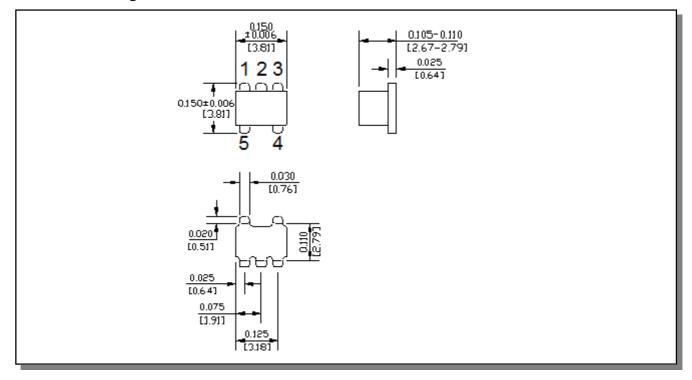
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²



E-Series RF 1:4 Coupled Step-Up Transformer 1MHz - 350 MHz

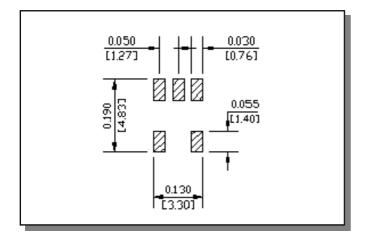
Outline Drawing



1. Dimensions in mm.

- 2. Tolerance: ±0.2mm unless otherwise noted.
- 3. Model number and lot code printed on reel.

Recommended Footprint



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Rev. V1

E-Series RF 1:4 Coupled Step-Up Transformer 1MHz - 350 MHz



Rev. V1

Tape & Reel Information

Parameter	Units	Value
Qty per reel	-	2000
Reel size	mm	330
Tape width (W)	mm	12.0
Pitch (P ₁)	mm	12.0
A ₀	mm	4.0
B ₀	mm	4.0
K ₀	mm	2.9
Orientation	-	F5
Reference Application Note ANI-019 for orientation		

Ordering Information

Part Number	Description
MABA-007237-ETC410	2000 piece reel

Recommended Maximum Ratings

Parameter	Absolute Maximum
DC Power	250 mW
DC Current	30 mA
Operating Temperature	-40℃ to +85℃
Storage Temperature	-55℃ to +125℃

1. Exceeding any one or combination of these limits may cause permanent damage to this device.

2. M/A-COM does not recommend sustained operation near these survivability limits.

4

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Reference Application Note ANI-019 for orientation			

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