

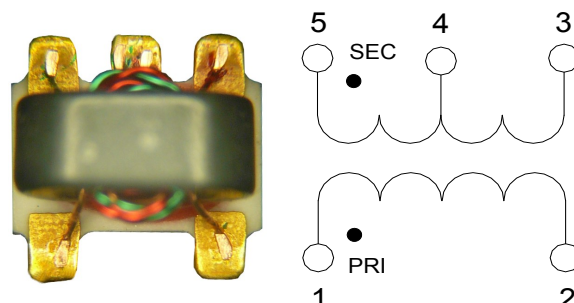
E-Series RF 1:4 Coupled Step-Up Transformer 1 - 350 MHz

Rev. V3

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

Schematic



Pin Configuration

Pin #	Function	Pin #	Function
1	Primary Dot	4	Secondary CT
2	Primary	5	Secondary Dot
3	Secondary		

Electrical Specifications: RF Freq. = 1 - 350 MHz, $T_A = +25^\circ\text{C}$, $P_{IN} = 0 \text{ dBm}$

Parameter	Test Conditions & Frequency	Units	Min.	Typ.	Max.
Insertion Loss	FL - fU 5 - 100 MHz 2 - 300 MHz 1 - 350 MHz	dB	—	— 1.21 —	1.0 2.0 3.0
Amplitude Unbalance	5 - 100 MHz 1 - 350 MHz	dB	—	—	0.1 0.5
Phase Unbalance	5 - 100 MHz 1 - 350 MHz	Degrees	—	—	1.0 5.0

Ordering Information

Part Number	Description
MABA-007237-ETC410	2000 piece reel

Recommended Maximum Ratings^{1,2}

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

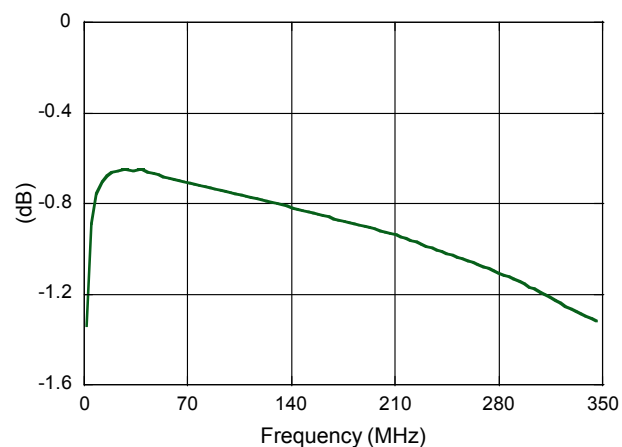
1. Exceeding any one or combination of these limits may cause permanent damage to this device.
2. MACOM does not recommend sustained operation near these survivability limits.

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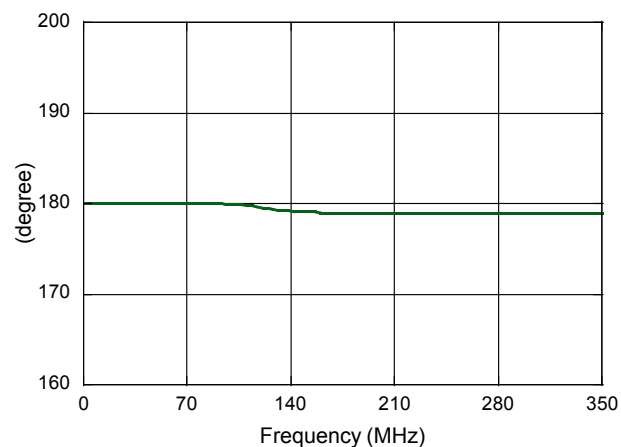
Rev. V3

Typical Performance Curves

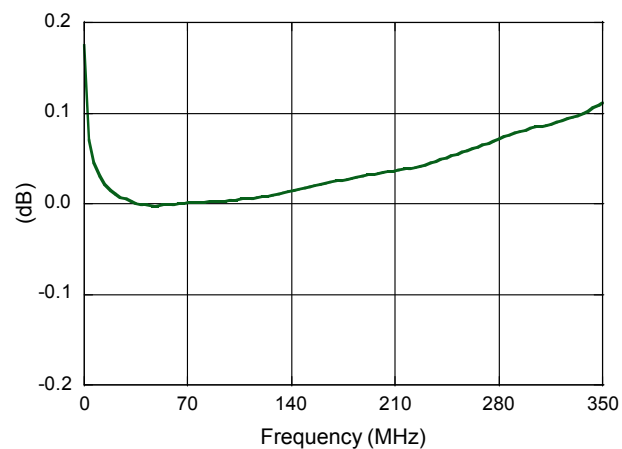
Insertion Loss



Phase Balance



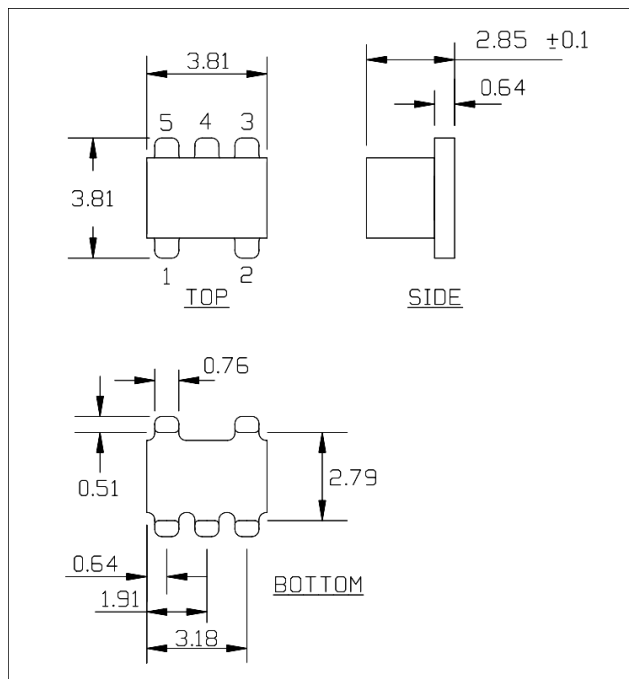
Amplitude Balance



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

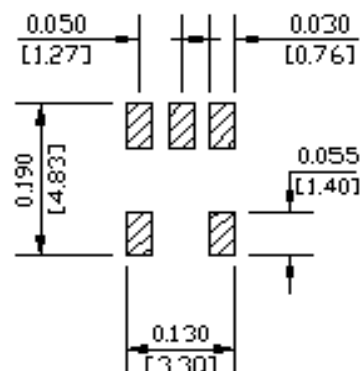
Rev. V3

Outline Drawing



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

Recommended Footprint



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
Orientation	-	F5
Reference Application Note ANI-019 for orientation		

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<http://moschip.ru/get-element>

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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