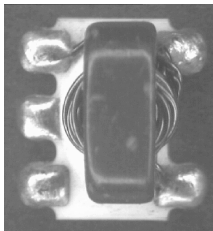




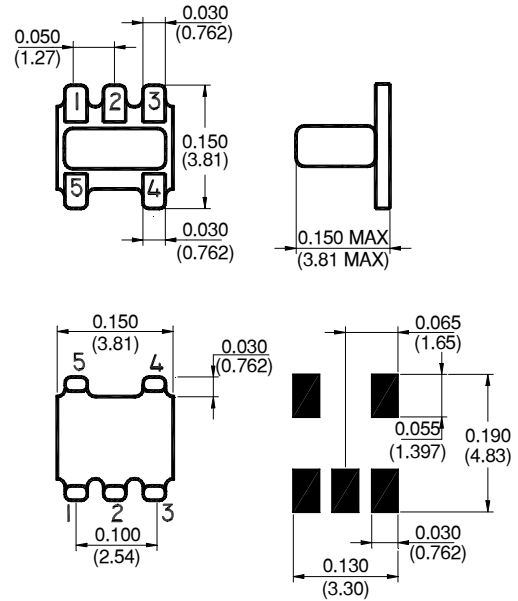
# E-Series RF 1:4 Flux Coupled Step-up Transformer 3 MHz - 250 MHz

## Features

- Surface Mount
- 1:4 Impedance Ratio
- CT on Secondary
- Available on Tape & Reel



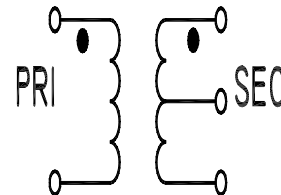
## SM-22 Package



## Description

M/A-COM's MABAES0008 is a 1:4 RF flux coupled step-up transformer in a low cost, surface mount package. Ideally suited for high volume applications.

## Schematic



## Electrical Specifications @25°C

Parameter	Units	Typical	Maximum
Frequency Range 3 - 250	MHz	—	—
Insertion Loss ( $f_L - f_U$ ) 3 -250 MHz	dB	0.60	1.30
Amplitude Unbalance 3- 250 MHz	dB	0.2	0.5
Phase Unbalance 3- 250 MHz	Degrees	—	7.0

Please Note that the photograph above indicates typical package only, not actual unit.

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### Absolute Maximum Ratings

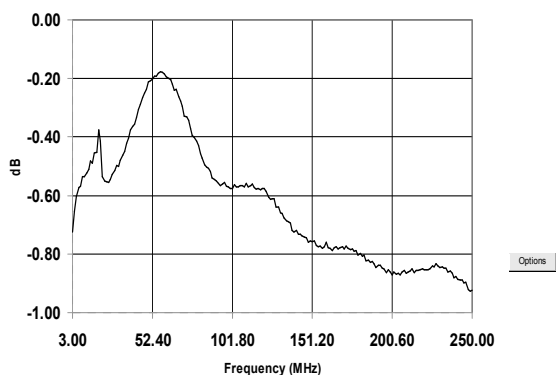
Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating Temperature	-20°C to +85°C
Storage Temperature	-20°C to +85°C

### Functional Configuration

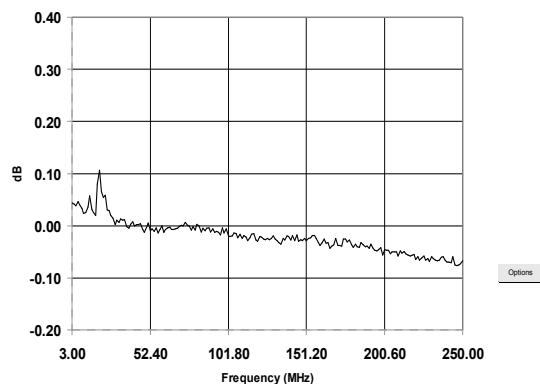
Function	Pin No.
Primary Dot	4
Primary	5
Primary CT	—
Secondary Dot	3
Secondary	1
Secondary CT	2
Case Ground	—
Not Connected	—

### Typical Performance @ +25°C

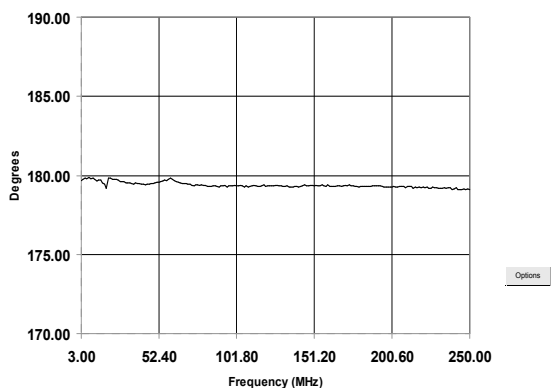
Insertion Loss



Amplitude Unbalance



Phase Unbalance



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