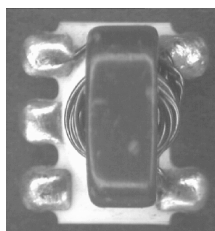


E-Series RF 1:4 Flux Coupled Step-up Transformer 3 MHz - 250 MHz

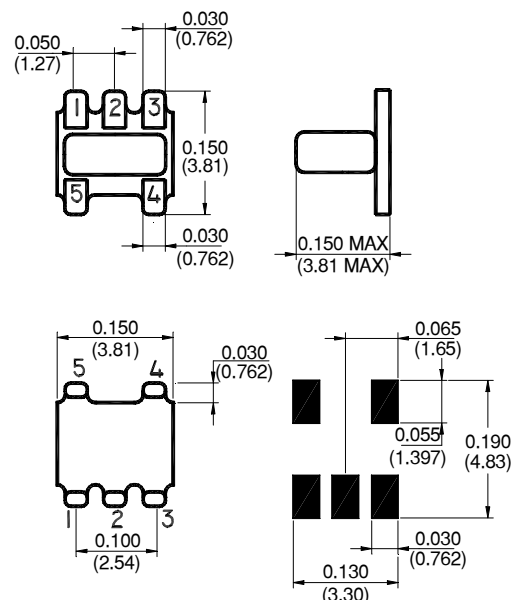


Features

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



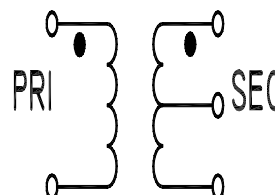
SM-22 Package



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.

S 1582 A

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.

• North America Tel: 800.368.2200 • Europe Tel: +353.21.244.6400
• India Tel: +91.80.43537383 • China Tel: +86.21.2407.1588

Visit www.macomtech.com for additional data sheets and product information.

M/A-COM Technology Solutions Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice.

Absolute Maximum Ratings

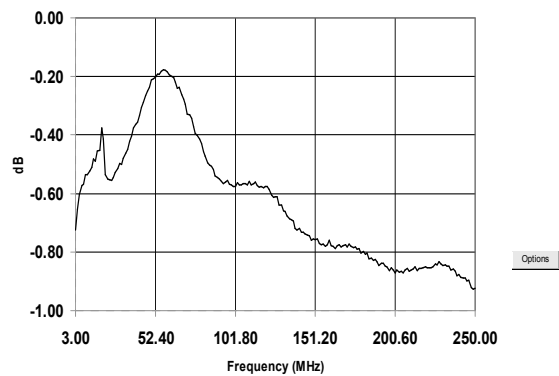
Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating Temperature	-20°C to +85°C
Storage Temperature	-20°C to +85°C

Functional Configuration

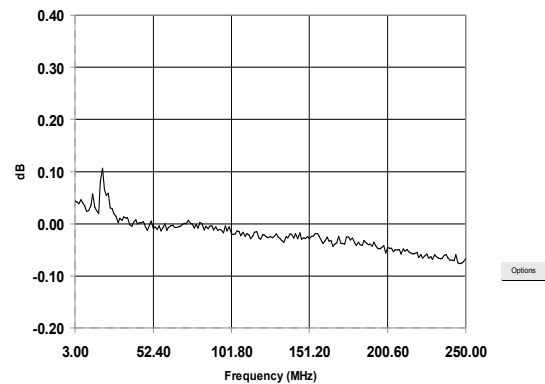
Function	Pin No.
Primary Dot	4
Primary	5
Primary CT	—
Secondary Dot	3
Secondary	1
Secondary CT	2
Case Ground	—
Not Connected	—

Typical Performance @ +25°C

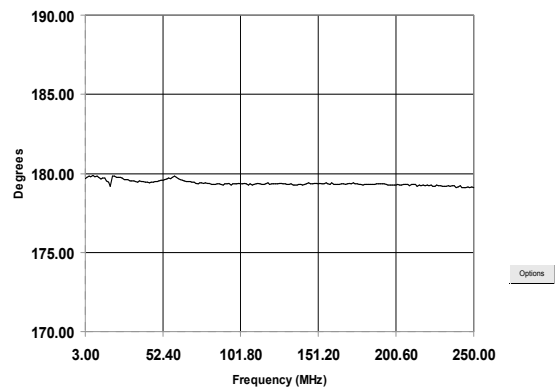
Insertion Loss



Amplitude Unbalance



Phase Unbalance



S 1582 A

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.

• **North America** Tel: 800.366.2266 • **Europe** Tel: +353.21.244.6400
• **India** Tel: +91.80.43537383 • **China** Tel: +86.21.2407.1588
Visit www.macomtech.com for additional data sheets and product information.

M/A-COM Technology Solutions Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice.