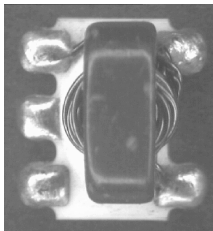




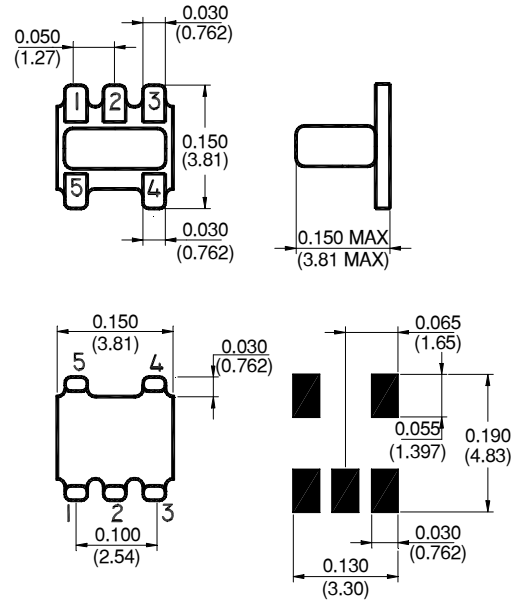
E-Series RF 1:4 Flux Coupled Step-up Transformer 3 MHz - 250 MHz

Features

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



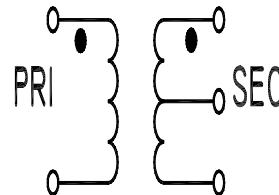
SM-22 Package



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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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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Absolute Maximum Ratings

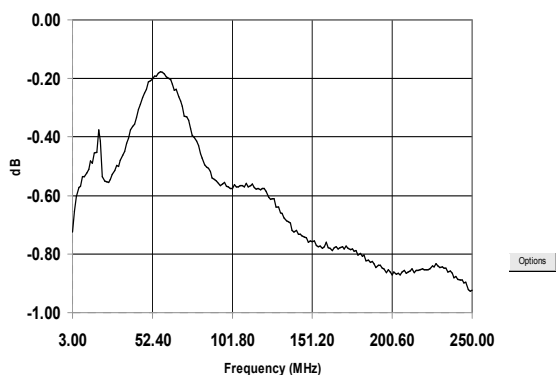
| Parameter | Absolute Maximum |
|-----------------------|------------------|
| RF Power | 250 mW |
| DC Current | 30 mA |
| Operating Temperature | -20°C to +85°C |
| Storage Temperature | -20°C to +85°C |

Functional Configuration

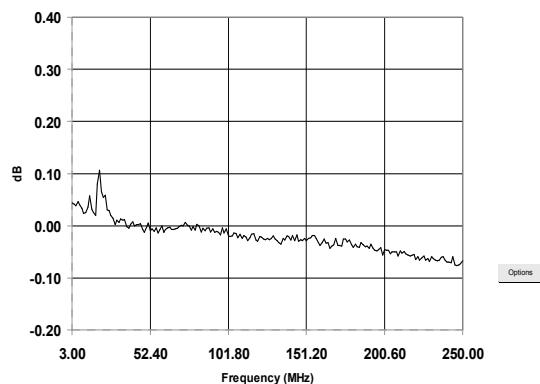
| Function | Pin No. |
|---------------|---------|
| Primary Dot | 4 |
| Primary | 5 |
| Primary CT | — |
| Secondary Dot | 3 |
| Secondary | 1 |
| Secondary CT | 2 |
| Case Ground | — |
| Not Connected | — |

Typical Performance @ +25°C

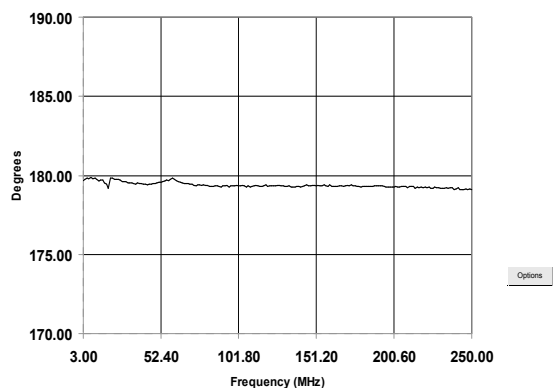
Insertion Loss



Amplitude Unbalance



Phase Unbalance



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