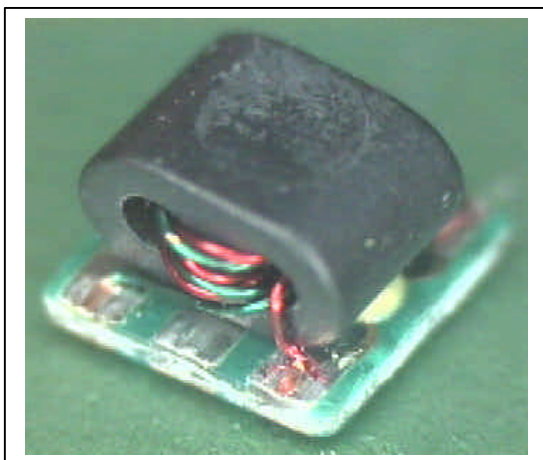


## 1:1 Tx Line Balun Transformer

4.5 – 3000 MHz



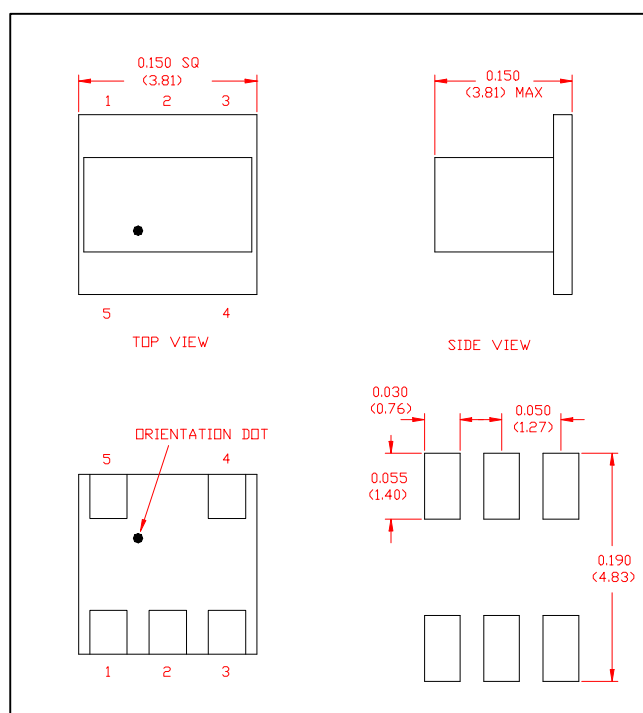
## Features

- Surface Mount
- 1:1 Impedance
- Available on Tape & Reel
- 75  $\Omega$

## Description

M/A Com's MABACT0034 is a 1:1 RF transmission line transformer in a low cost, surface mount package. Ideally suited for high volume CATV/Broadband applications.

## SM-155 Package



Dimensions in inches [mm] Tolerance: .xx ± .02, .xxx ± .010

Electrical Specifications @ 25°C,  $Z_0 = 75 \Omega$ 

| Frequency Range 4.5 - 3000 MHz | Test Conditions | Nominal | Units | Min. | Typ. | Max. |
|--------------------------------|-----------------|---------|-------|------|------|------|
| Insertion Loss                 | 4.5 - 1000 MHz  | —       | dB    | —    | 0.8  | 1.0  |
|                                | 1000 - 2000 MHz | —       | dB    | —    | 1.6  | 2.0  |
|                                | 2000 - 3000 MHz | —       | dB    | —    | 2.5  | 3.5  |
| Amplitude Unbalance            | 4.5 - 3000 MHz  | —       | dB    | —    | 0.5  | 1.0  |
| Phase Unbalance                | 4.5 - 3000 MHz  | —       | °     | —    | 10°  | 20°  |

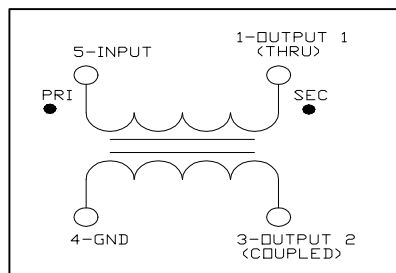
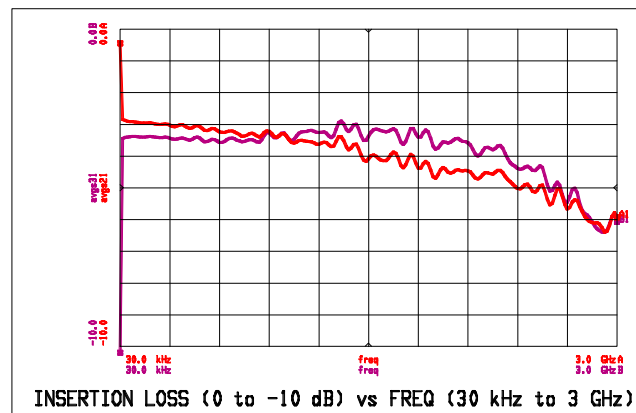
Note: Specifications subject to change without notice.

**Absolute Maximum Ratings**

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

**Operating Characteristics**

| Function               | Pin No. |
|------------------------|---------|
| Primary Dot (Input)    | 5       |
| Primary (Ground)       | 4       |
| Secondary Dot (Output) | 1       |
| Secondary (Output)     | 3       |
| Secondary Center Tap   | -       |

**Schematic****Typical Performance @ +25° C**

Rev -

Specifications subject to change without notice.

■ North America: Tel. (800) 366-2266, Fax (800) 618-8883

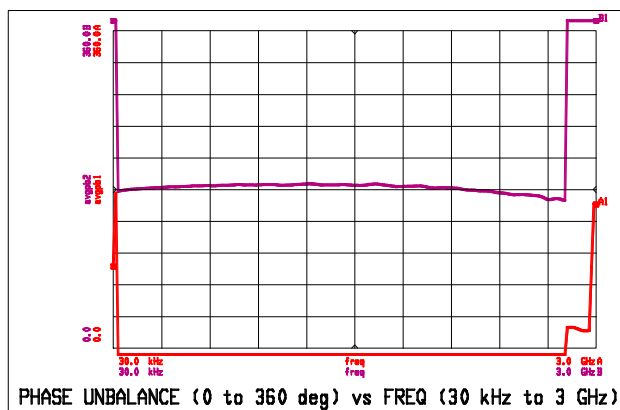
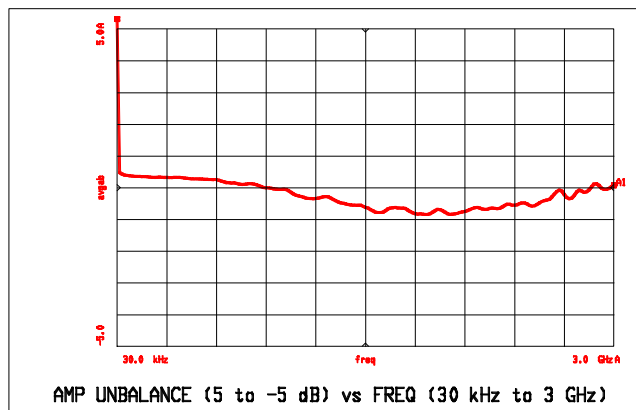
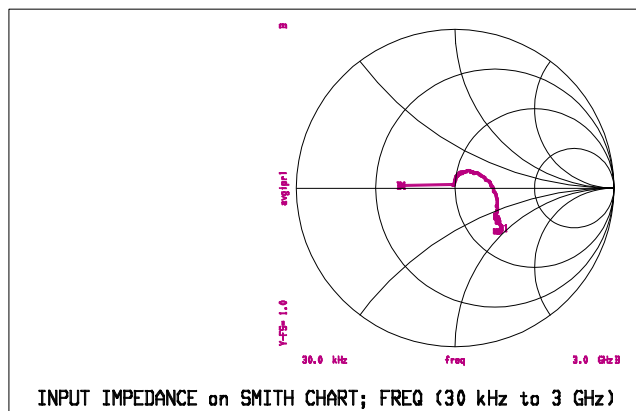
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■ Europe: Tel. +44 (1908) 574 200, Fax+44 (1908) 574 300

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