

# MABA-009126-ET11SM



## E-Series RF 1:1 Transformer 0.3-400 MHz

M/A-COM Products  
Advanced - Rev. V2

### Features

- 1:1 Impedance Ratio
- Surface Mount
- Tape and reel packaging available
- 260°C Reflow Compatible
- RoHS\* compliant version of the ET1-1-SM1

### Description

M/A-COM's MABA-009126-ET11SM is a RoHS Compliant 1:1 RF transformer in a low cost, surface mount package. Typical applications include single to balanced mode conversion and impedance matching.

The MABA-009126-ET11SM is available in a SM-1 surface mount package and is designed to be utilized in both RoHS and standard reflow profiles. Parts are packaged in tape & reel.

### Product Image



### Ordering Information

Part Number	Package
MABA-009126-ET11SM	Tape and Reel (900 piece Reel)

### Electrical Specifications: $T_A = 25^\circ\text{C}$ , $Z_0 = 50\Omega$

Parameter	Test Conditions	Frequency (MHz)	Units	Typ	Max
Insertion Loss		2-50	dB	0.6	1
		0.6-250	dB	1	2
		0.3-400	dB	1.5	3

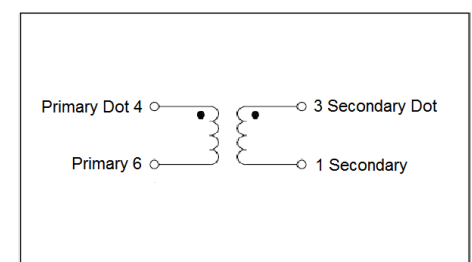
### Pin Configuration

Pin No.	Function
1	Secondary
2 & 5	Not Connected
3	Secondary Dot
4	Primary Dot
6	Primary

### Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	250 mW
DC Current	240 mA <sup>2</sup>
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +125°C

### Schematic



### Absolute Maximum Ratings

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

1

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• **India** Tel: +91.80.4155721 • **China** Tel: +86.21.2407.1588

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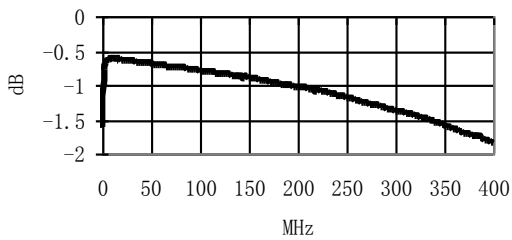
**E-Series RF 1:1 Transformer**  
**0.3-400 MHz**

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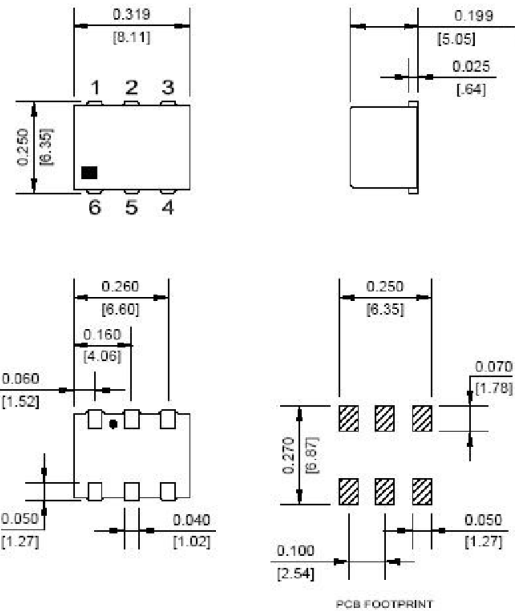
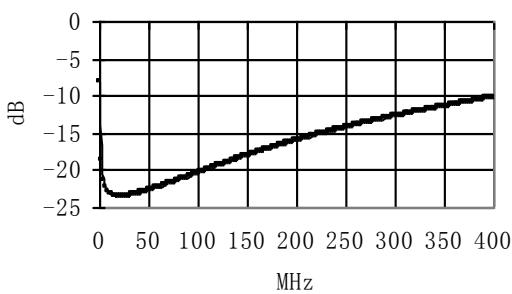
## Typical Performance Curves at +25°C

## SM - 1 Package

### Insertion Loss



### Input Return Loss



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

## Component Package orientation



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