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.

Ordering Information

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

Product Image



Electrical Specifications: $T_A = 25$ °C, $Z_0 = 50\Omega$

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

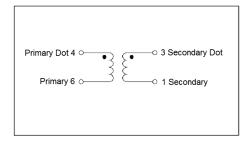
Pin Configuration

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 ²
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.

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.

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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.

- North America Tel: 800.366.2266 Europe Tel: +353.21.244.6400
- India Tel: +91.80.4155721 China Tel: +86.21.2407.1588

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

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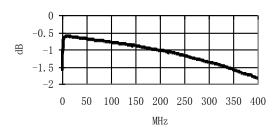


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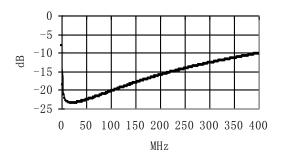
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Typical Performance Curves at +25°C

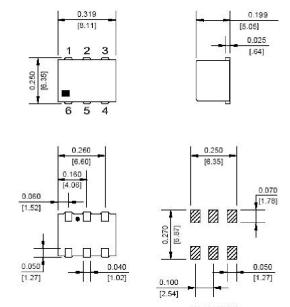
Insertion Loss



Input Return Loss



SM - 1 Package



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

Component Package orientation



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