MABA-009126-ET11SM

MACOM

Rev. V3

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

Features

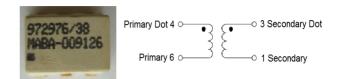
- 1:1 Impedance Ratio
- Surface Mount Package
- 260°C Reflow Compatible
- RoHS* Compliant Version of the ET1-1-SM1

Description

The MABA-009126-ET11SM is a RoHS Compliant 1:1 RF transformer in a 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.

Schematic



Pin Configuration

Pin #	Function		
1	Secondary		
2,5	Not Connected		
3	Secondary Dot		
4	Primary Dot		
6	Primary		

Electrical Specifications: Freq. = 0.3 - 400 MHz, $T_A = 25^{\circ}C$, $Z_0 = 50 \Omega$, $P_{IN} = 0 \text{ dBm}$

Parameter	Frequency	Units	Min.	Тур.	Max.
Insertion Loss	2 - 50 MHz 0.6 - 250 MHz 0.3 - 400 MHz	dB		0.6 1.0 1.5	1.0 2.0 3.0

Ordering Information

Part #	Description
MABA-009126-ET11SM	900 piece reel

Reference Application Note **M513** for reel size information.

Absolute Maximum Ratings

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

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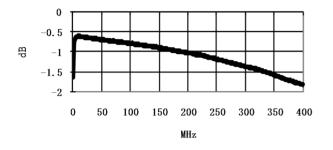


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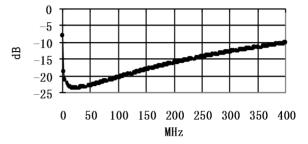
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Typical Performance Curves: $T_A = 25^{\circ}C$, $Z_0 = 50 \Omega$, $P_{IN} = 0 \text{ dBm}$

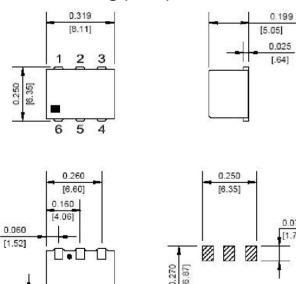
Insertion Loss

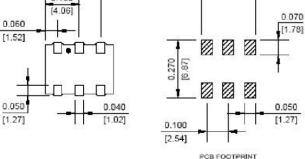


Return Loss



Outline Drawing (SM-1)





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

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Component Package Orientation



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