

## Features

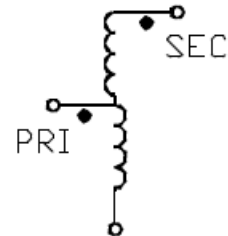
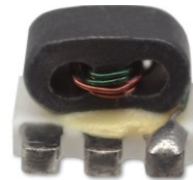
- 1.5:1 Impedance Ratio
- Surface Mount Package
- Tape and Reel Packaging Available
- 260°C Reflow Compatible
- RoHS\* compliant version of the ETC1.5-7

## Description

The MABA-008752-TC1P57 is a RoHS compliant 1.5:1 RF transformer in a surface mount package. Typical applications include single to single mode impedance conversion and matching.

The MABA-008752-TC1P57 is available in a SM-22 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	Primary & Secondary
2	Primary Dot
3	Secondary Dot
4,5	Not Connected

## Electrical Specifications: Freq. = 2 - 1000 MHz, $T_A = 25^\circ\text{C}$ , $Z_0 = 50 \Omega$ , $P_{IN} = 0 \text{ dBm}$

Parameter	Frequency	Units	Min.	Typ.	Max.
Insertion Loss	2 - 300 MHz	dB	—	0.4	0.5
	2 - 600 MHz			0.4	0.6
	2 - 1000 MHz			0.5	1.0

## Ordering Information<sup>1</sup>

Part #	Description
MABA-008752-TC1P57	2000 piece reel

1. Reference Application Note M513 for reel size information.

## Absolute Maximum Ratings

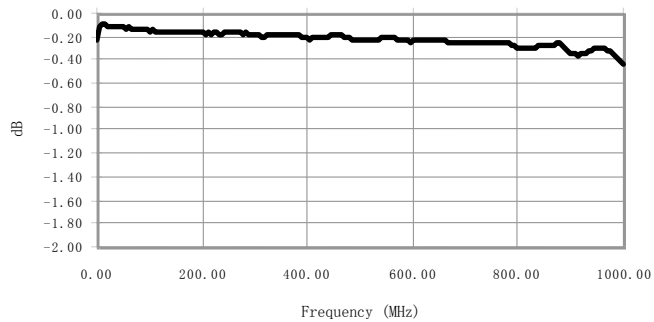
Parameter	Absolute Maximum
Impedance	50 $\Omega$ nominal
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +125°C

## 1.5:1 E-Series RF Transformer 2 - 1000 MHz

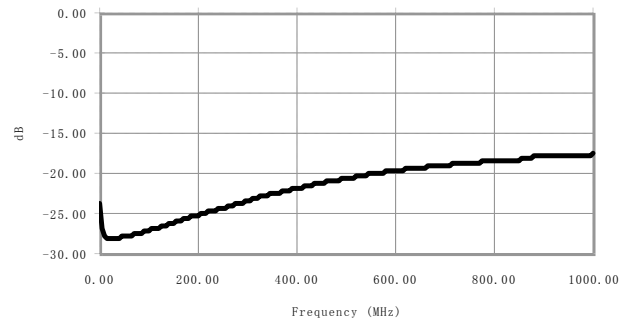
Rev. V4

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

### Insertion Loss

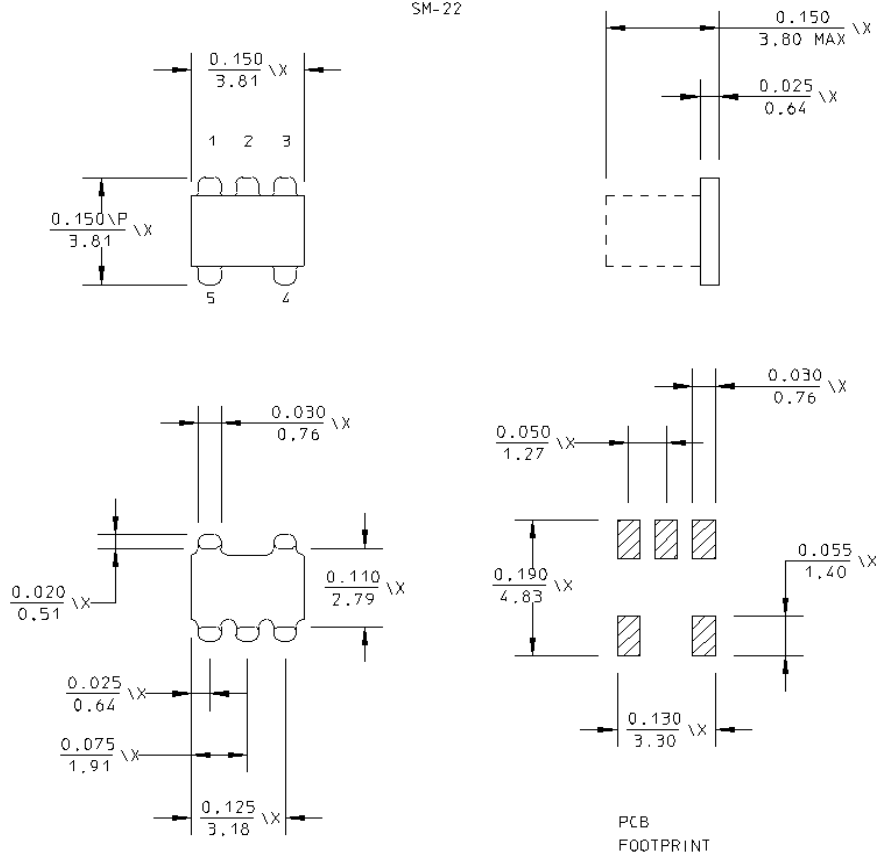


### Return Loss



### Outline Drawing (SM-22)

SM-22



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

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