# RoHS Compliant

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



### MABA-008752-TC1P57 V2

### Features

- 1.5:1 Impedance Ratio
- Surface Mount
- Tape and reel packaging available
- 260°C Reflow Compatible
- RoHS\* compliant version of the ETC1.5-7

### Description

M/A-COM's MABA-008752-TC1P57 is a RoHS Compliant 1.5:1 RF transformer in a low cost, surface mount package. Typical applications include single to balanced mode conversion and impedance 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.

### SM-22 SM-22 0.150 3.80 MAX VX 0.150 VX 0.025 VX 0.051 VX 0.055 VX 0.

## **Pin Configuration**

SM - 22 Package

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

### Schematic

# PRI

This PRELIMINARY Data Sheet contains information regarding a product M/A-COM has under development. Performance is based on measured results and target specifications. Commitment to produce in volume is not guaranteed.

\* Restrictions on Hazardous Substances, European Union Directive 2002/95/EC.

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.
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 melorest user may be available. Commitment to produce in volume is not guaranteed.
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### **Ordering Information**

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Part Number	Package		
MABA-008752-TC1P57	Tape and Reel (2000 piece Reel)		

## Absolute Maximum Ratings <sup>1,2</sup>

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

1. Exceeding any one or combination of these limits may cause permanent damage to this device.

 M/A-COM does not recommend sustained operation near these survivability limits.



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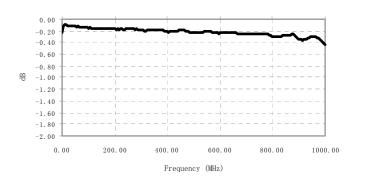
MABA-008752-TC1P57 V2

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

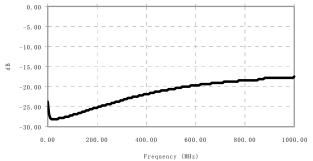
Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
RF Frequency	_	2 - 1000	MHz	_	_	_
Insertion Loss	_	2 - 300 2 - 600 2 - 1000	dB dB dB		0.4 0.4 0.5	0.5 0.6 1.0

### **Typical Performance Curves**

### Insertion Loss







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