

Electronics

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



- 1.5:1 Impedance Ratio
- Surface Mount
- Tape and reel packaging available
- 260°C Reflow Compatible

Ordering Information

Absolute Maximum Ratings ^{1,2}

Part Number

MABA-008752-TC1P57

Parameter

Impedance

Operating Temperature

Storage Temperature

these survivability limits.

permanent damage to this device.

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.

Package

Tape and Reel (2000 piece Reel)

Absolute Maximum 50 Ohms nominal

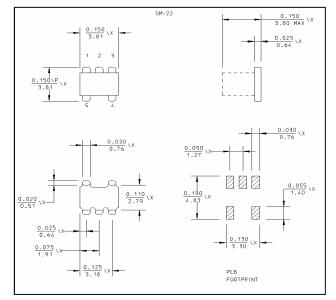
> -40°C to +85°C -55°C to +125°C

RoHS Compliant



MABA-008752-TC1P57 V2

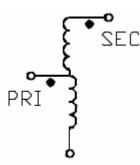
SM - 22 Package



Pin Configuration

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

Schematic



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.

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1. Exceeding any one or combination of these limits may cause

2. M/A-COM does not recommend sustained operation near

- North America Tel: 800.366.2266 / Fax: 978.366.2266
- Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300
- Asia/Pacific Tel: 81.44.844.8296 / Fax: 81.44.844.8298

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RoHS Compliant



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MABA-008752-TC1P57 V2

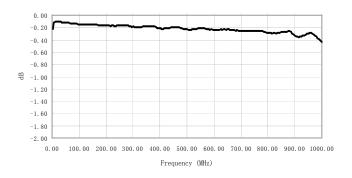
Electrical Specifications: $T_A = 25^{\circ}C$, $Z_0 = 50\Omega$

Parameter	Test Conditions	Frequency	Units	Min	Тур	Мах
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

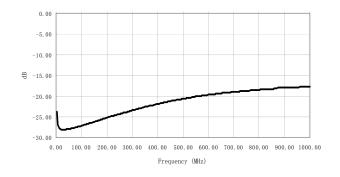
Typical Performance Curves

Insertion Loss

2



Return Loss



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