

E-Series RF 1:4 Transformer 3.0 — 110 MHz

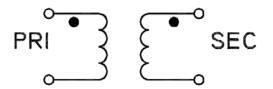
Features

- Surface mount
- 1:4 Impedance Ratio
- RoHS* Compliant and is 260°C reflow compatible.
- Available on Tape and Reel, reel quantity 2000

Description

M/A-COM's MABA-008570-ETC414 is a RoHS compliant 1:4 RF transformer in a low cost, surface mount package. Ideally suited for high volume cellular and wireless applications. Parts are packaged in tape & reel.

Schematic



Pin Configuration

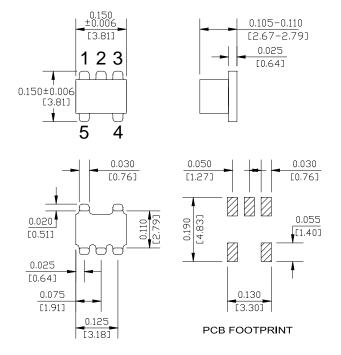
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Pin No.	Function			
3	Secondary			
1	Secondary Dot			
5	Primary Dot			
4	Primary			
2	Not Connected			



MABA-008570-ETC414 V1 A

SM-22 package



Ordering Information

Part Number	Package
MABA-008570-ETC414	2000 piece reel

Note: Reference Application Note M513 for reel size information.

Absolute Maximum Ratings ^{1,2}

Parameter	Absolute Maximum		
RF Power	250 mW		
DC Current	30 mA		
Operating Temperature	-20°C to +85°C		
Storage Temperature	-55°C to +100°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.

* 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 and/or test data may be available. Commitment to produce in volume is not guaranteed.

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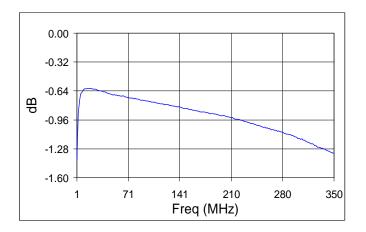
MABA-008570-ETC414 V1 A

Electrical Specifications: $T_A = 25^{\circ}C$, $Z_0 = 50\Omega^{-1}$

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
RF Frequency	—	3 - 110	MHz	—	_	—
Insertion Loss	F∟—f _U	3 - 110	dB	—	0.3	1.0

Typical Performance Curves

Insertion Loss



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