# E-Series RF 4:1 Auto Transformer 20 - 1000 MHz

### SM-22 Package

#### **Features**

- Surface Mount
- 4:1 Impedance Ratio



### **Description**

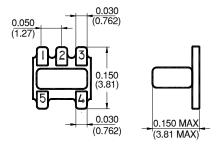
M/A-COM's MABAES0034 is a 4:1 RF transformer in a low cost, surface mount package. Ideally suited for high volume cellular and wireless applications.

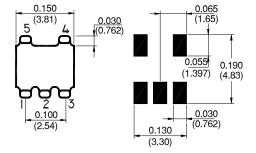
#### **Functional Configuration**

Function	Pin No.			
Primary dot	1			
Primary	5			
Primary CT	-			
Secondary dot	4			
Secondary	5			
Secondary CT	-			
Case Ground	-			
Not Connected	2,3			

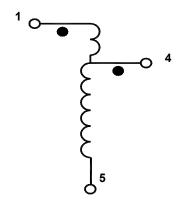
## **Absolute Maximum Ratings**

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





#### **Schematic**



### Electrical Specifications @25°C

Parameter	Units	Nominal	Typical	Minimum	Maximum
Frequency Range 20 - 1000	MHz	_	_		_
Insertion Loss (f <sub>L</sub> - f <sub>U</sub> )					
20 - 500 MHz	dB	_	1.8	_	2.0
500 - 1000 MHz	dB	_	2.2	_	2.5

Note: photograph above indicates package only ,not actual unit.

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- North America Tel: 800.366.2266 Europe Tel: +353.21.244.6400

information.

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