



E-Series RF 4:1 Transformer 20 – 1000 MHz

MABAES0034 V2

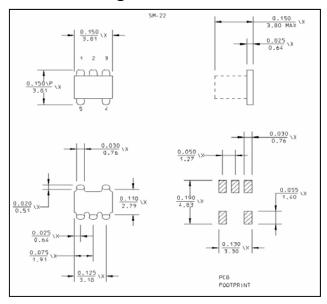
#### **Features**

- 4:1 Impedance Ratio
- CT on Secondary
- Surface Mount
- Tape and reel packaging available

### **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. Typical applications include single to balanced mode conversion and impedance matching. Parts are packaged in tape & reel.

#### SM - 22 Package



# Electrical Specifications: $T_A = 25$ °C, $Z_0 = 50\Omega^1$

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
RF Frequency	_	20 - 1000	MHz	_	_	_
Insertion Loss	F <sub>L</sub> —f <sub>U</sub>	20 - 500 500 - 1000	dB dB	_	1.8 2.2	2.0 2.5

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

Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +125°C

Operation of this device above any one of these parameters may cause permanent damage.

### **Ordering Information**

Part Number	Package	
ETC36-1T-2TR	Tape and Reel (2000 piece Reel)	

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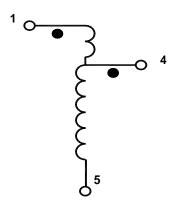
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## **Pin Configuration**

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

### **Schematic**



<sup>•</sup> Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300

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