



E-Series RF 1:1 Transformer 2 – 500 MHz

ETC1-1T-5 V1

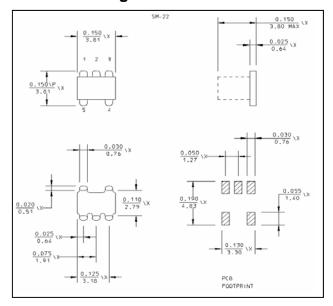
#### **Features**

- 1:1 Impedance Ratio
- Surface Mount
- · Tape and reel packaging available

### **Description**

M/A-COM's ETC1-1T-5 is a 1:1 RF transformer in a low cost, surface mount package. 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	_	2 - 500	MHz	_	_	_
Insertion Loss	_	2 - 300 2 - 500	dB	_	_	1.0 2.0
Amplitude Imbalance	_	2 - 300 2 - 500	dB dB	_	_	0.3 0.6
Phase Imbalance	_	2 - 300 2 - 500	Degrees Degrees	_ _	_ _	2.0 5.0

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

Parameter	Absolute Maximum
RF Power	250 mW
DC Current	240 mA <sup>2</sup>
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +125°C

- 1. Operation of this device above any one of these parameters may cause permanent damage.
- 2. The maximum DC current applies to the secondary center tap in applications where the secondary is balanced.

### **Ordering Information**

Part Number	Package		
ETC1-1T-5TR	Tape and Reel (2000 piece Reel)		

Visit www.macom.com for additional data sheets and product information.

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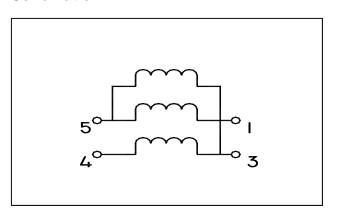
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### **Pin Configuration**

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

### **Schematic**



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