

# E-Series RF 1:1 Transformer 0.05 – 3 MHz

ETC1-1T-2  
V2

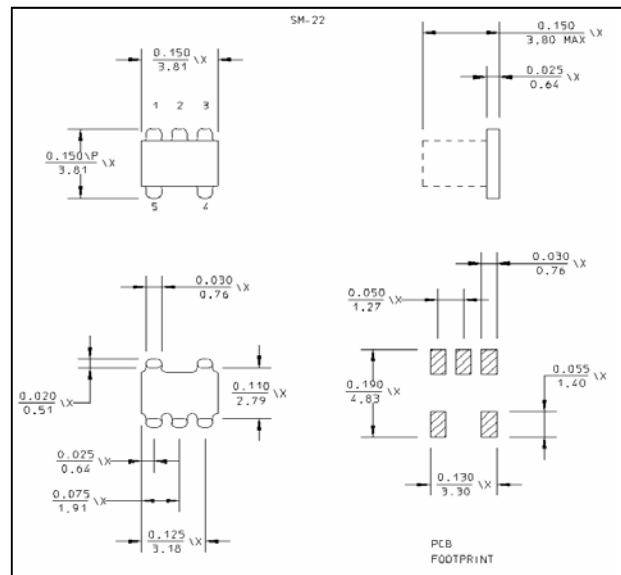
## Features

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

## Description

M/A-COM's ETC1-1T-2 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:  $T_A = 25^\circ\text{C}$ ,  $Z_0 = 50\Omega$ <sup>1</sup>

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
RF Frequency	—	0.05 - 3	MHz	—	—	—
Insertion Loss	—	0.05 - 3	dB	—	—	2.0
	—	0.2 - 3	dB	—	—	1.0
Amplitude Imbalance	—	0.05 - 3	dB	—	—	0.2
	—	0.2 - 3	dB	—	—	0.1
Phase Imbalance	—	0.05 - 3	Degrees	—	—	2°
	—	0.2 - 3	Degrees	—	—	1°

## 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

## Ordering Information

Part Number	Package
ETC1-1T-2TR	Tape and Reel (2000 piece Reel)

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

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**Pin Configuration**

Pin No.	Function
1	Secondary
2	Secondary CT
3	Secondary Dot
4	Primary Dot
5	Primary

**Schematic**

