

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

ETC1-1T-5
V1

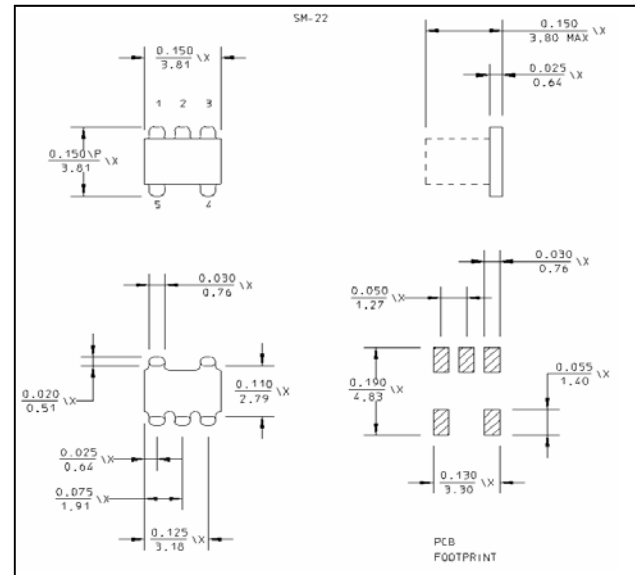
Features

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

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
RF Frequency	—	2 - 500	MHz	—	—	—
Insertion Loss	—	2 - 300	dB	—	—	1.0
		2 - 500				2.0
Amplitude Imbalance	—	2 - 300	dB	—	—	0.3
		2 - 500				0.6
Phase Imbalance	—	2 - 300	Degrees	—	—	2.0
		2 - 500				5.0

Absolute Maximum Ratings¹

Parameter	Absolute Maximum
RF Power	250 mW
DC Current	240 mA ²
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)

1

M/A-COM Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice. M/A-COM makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does M/A-COM assume any liability whatsoever arising out of the use or application of any product(s) or information.

- **North America** Tel: 800.366.2266 / Fax: 978.366.2266
- **Europe** Tel: 44.1908.574.200 / Fax: 44.1908.574.300
- **Asia/Pacific** Tel: 81.44.844.8296 / Fax: 81.44.844.8298

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

Pin Configuration

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

Schematic

