



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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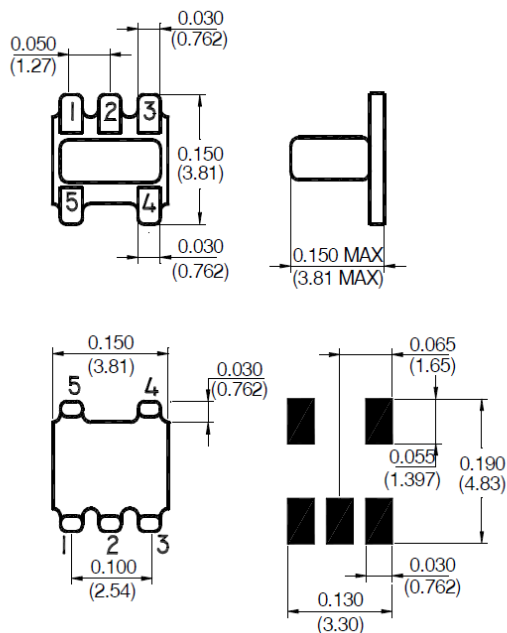


## Features

- Surface Mount
- 1:1 Impedance Ratio

## Description

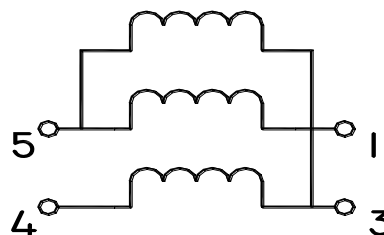
M/A-COM's ETC1-1T-5 is a 1:1 RF transformer in a low cost, surface mount package. Ideally suited for high volume cellular wireless applications. Typical applications include single to balanced mode conversion and impedance matching.



## Ordering Information<sup>1,2</sup>

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

## Functional Schematic



## Pin Configuration<sup>3</sup>

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

## Electrical Specifications @25°C

Parameter	Units	Typical	Minimum	Maximum
Frequency Range 2 - 500	MHz	—	—	—
Insertion Loss (f <sub>L</sub> - f <sub>U</sub> )				
2 - 500 MHz	dB	—	—	2.0
2 - 300 MHz	dB	—	—	1.0
Amplitude Imbalance				
2 - 300 MHz	dB	—	—	0.3
2 - 500 MHz	dB	—	—	0.6
Phase Imbalance				
2 - 300 MHz	°	—	—	2.0°
2 - 500 MHz	°	—	—	5.0°

## Absolute Maximum Ratings

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

## Tape & Reel information

Parameter	Units	Value
Qty per reel	-	2000
Reel Size	mm	330
Tape Width (W)	mm	12.0
Pitch (P1)	mm	8.0
A <sub>0</sub>	mm	4.0
B <sub>0</sub>	mm	4.0
K <sub>0</sub>	mm	2.9
Orientation	-	F5

Reference Application note ANI-019 for orientation



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