

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

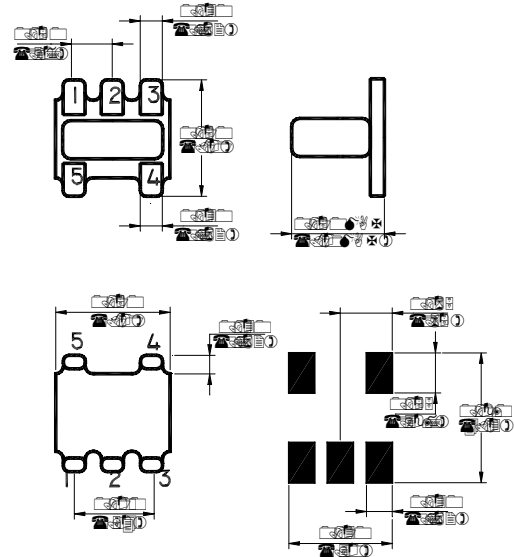


Features

- Surface Mount
- 1:1 Impedance Ratio



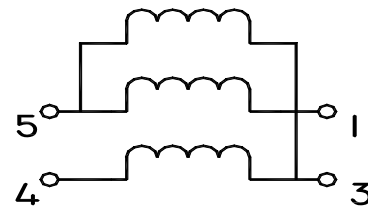
SM-22 Package



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.

Schematic



Electrical Specifications @25°C

Parameter	Units	Typical	Minimum	Maximum
Frequency Range 2 - 500	MHz	—	—	—
Insertion Loss ($f_L - f_U$)				
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°

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• **North America** Tel: 800.366.2266 • **Europe** Tel: +353.21.244 6400
 • **India** Tel: +91.80.4155721 • **China** Tel: +86.21.240 S 0844 E

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Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating Temperature	-20°C to +85°C
Storage Temperature	-20°C to +85°C

Functional Configuration

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

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• **North America** Tel: 800.366.2266 • **Europe** Tel: +353.21.244.6400
• **India** Tel: +91.80.4155721 • **China** Tel: +86.21.2407.1588

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