



E-Series RF 1:4 Transformer 20 – 350 MHz

ETC4-1-8 V1

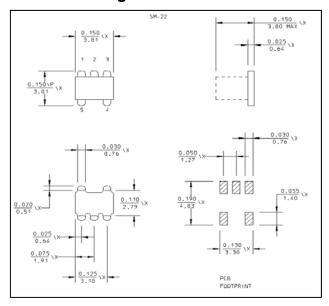
Features

- 1:4 Impedance Ratio
- · CT on Secondary
- Surface Mount
- Tape and reel packaging available

Description

M/A-COM's ETC4-1-8 is a 4:1 RF transmission line step-up transformer in a low cost, surface mount package. Ideally suited for high volume cellular and wireless applications. 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	_	20 - 350	MHz	_	_	_
Insertion Loss	F _L —f _U	20 - 350 50 - 200	dB	_	_	3.0 2.0
Amplitude Unbalance	F _L —f _U	20 - 350	dB	_	_	0.5
Phase Unbalance	F _L —f _U	20 - 350	Degrees	_	_	5

Absolute Maximum Ratings ¹

Parameter	Absolute Maximum
RF Power	250 mW
DC Current	100 mA
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +125°C

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

Ordering Information

Part Number	Package
ETC4-1-8TR	Tape and Reel (2000 piece Reel)

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[•] 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





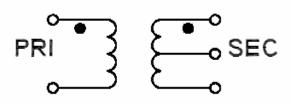
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Pin Configuration

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

Schematic



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