



E-Series RF 1:4 Transmission Line Step-up Transformer 500 – 2500 MHz

ETC1.6-4-2-3 V3

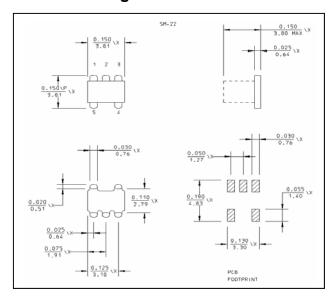
Features

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

Description

M/A-COM's ETC1.6-4-2-3 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: $T_A = 25^{\circ}C$, $Z_0 = 50\Omega^{1}$

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
RF Frequency	_	500 - 2500	MHz	_	_	_
Insertion Loss	F _L —f _U	500 - 750 750 - 1200 1200 - 2500	dB dB dB	_ _ _	_ _ _	3.0 1.0 3.0

Absolute Maximum Ratings ¹

Parameter	Absolute Maximum
DC Power	250 mW
DC Current	30 mA
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.

Ordering Information

Part Number	Package
ETC1.6-4-2-3TR	Tape and Reel (2000 piece Reel)

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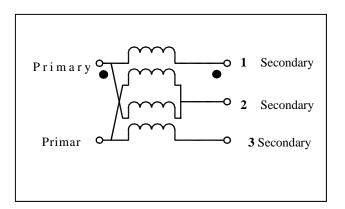
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Pin Configuration

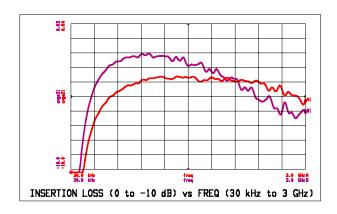
Pin No.	Function	
1	Secondary Dot	
2	Secondary CT	
3	Secondary	
4	Primary	
5	Primary Dot	

Schematic

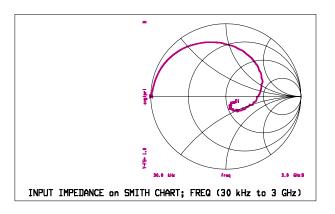


Typical Performance Curves

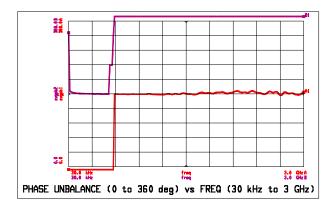
Insertion Loss



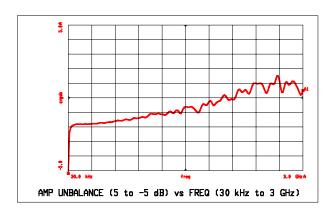
Input Impedance



Phase Unbalance



Amplitude Unbalance



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