



E-Series RF 1:1 Transformer 1710 – 1910 MHz

ETC1-1-10 V1

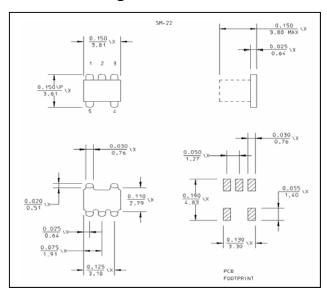
Features

- 1:1 Impedance Ratio
- Surface Mount
- · Tape and reel packaging available

Description

M/A-COM's ETC1-1-10 is a 1:1 RF transmission line transformer in a low cost, surface mount package. Ideally suited for high volume cellular and wireless applications. 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	_	1710 - 1910	MHz	_	_	_
Insertion Loss	F _L —f _U	1710 - 1910	dB		_	2.0
Amplitude Unbalance	_	1710 - 1910	dB	_	_	2.0
Phase Unbalance	_	1710 - 1910	Degrees		_	10°

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

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

Ordering Information

Part Number	Package
ETC1-1-10TR	Tape and Reel (2000 piece Reel)

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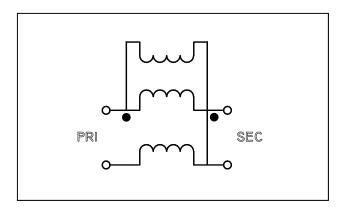
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Pin Configuration

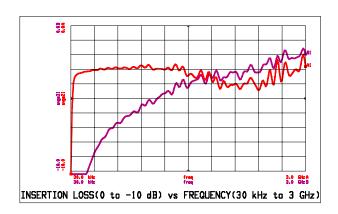
Pin No.	Function	
1	Secondary Dot	
2	Not Connected	
3	Secondary	
4	Primary	
5	Primary Dot	

Schematic

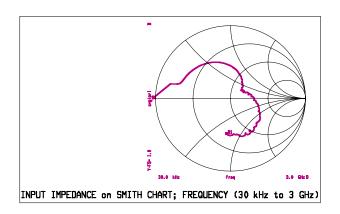


Typical Performance Curves

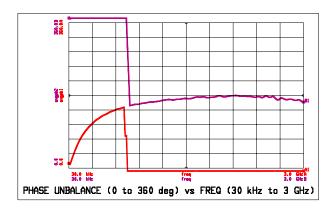
Insertion Loss



Input Impedance



Phase Unbalance



Amplitude Unbalance



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