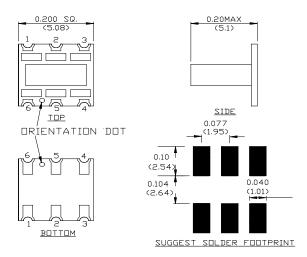
E-Series RF 1:1 Transformer 4.5 - 2000 MHz



Features

- Surface Mount
- 1:1 Impedance Ratio
- Available on Tape & Reel

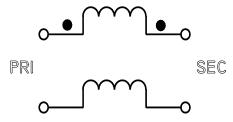
SM-52 Package



Description

M/A-COM's ETN1-1-13 is a 1:1 RF transformer in a low cost, surface mount package. Ideally suited for high volume applications.

Schematic



Electrical Specifications @25°C

Parameter	Units	Nominal	Maximum	Mean (x)	Sigma (σ)
Frequency Range 4.5 - 2000	MHz		_		_
Insertion Loss (f _L - f _U) 4.5 - 1000 MHz 1000 - 2000 MHz	dB dB	Ξ	1.0 2.0	0.32 —	0.036 —
Amplitude Unbalance 4.5 - 1000 MHz	dB	_	1.0	_	_
Phase Unbalance 4.5 - 1000 MHz	Degrees	_	20	_	_

Note: Mean and Sigma calculated from average loss at @ (f_U-f_L)/2+ f_L

Please Note that the photograph above indicates typical package only, not actual unit.

V1.00 S 1455

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 Europe Tel: +353.21.244.6400
 India Tel: +91.80.4155721
 China Tel: +86.21.2407.1588
 Visit www.macomtech.com for additional data sheets and product

information.

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Absolute Maximum Ratings

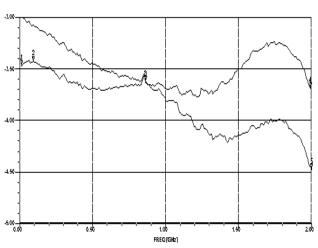
Parameter	Absolute Maximum		
RF Power	250 mW		
DC Current	30 mA		
Operating/Storage Temperature	-40°C to +85°C		

Functional Configuration

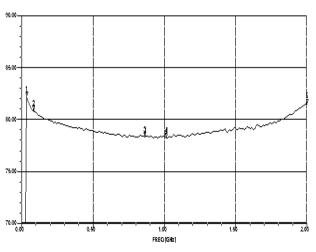
Function	Pin No.
Secondary Dot	1
Center Tap	-
Secondary	3
Primary	4
Not Connected	2,5
Primary Dot	6

Typical Performance @ +25°C

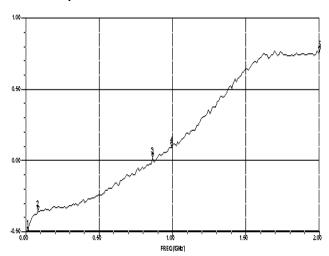
Insertion Loss



Phase Unbalance



Amplitude Unbalance



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