

RF 1.5:1 Step-down Auto-Transformer 5MHz - 1000MHz

Rev. V2

Features

- Surface mount
- 1.5:1 Impedance ratio
- Available on tape and reel

Description

M/A-Com's ETC1.5-4 is a 1.5:1 RF step-down auto-transformer In a low cost, surface mount package. Ideally suited for high volume applications



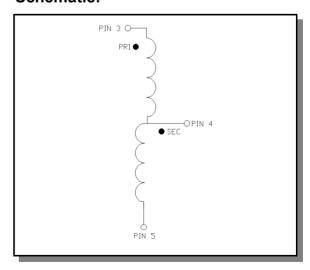
Electrical Specifications: $Z_0 = 75\Omega$, $T_A = 25$ °C, $P_{in} = 0$ dBm

Parameter	Conditions	Units	Min	Тур	Max
Frequency Range		MHz	5		1000
Impedance		Ω		75	
Impedance Ratio				1.5:1	
Insertion Loss (Pin3 - Pin4)	5 - 200MHz @1000 MHz	dB dB	-	0.40 0.78	0.60 1.09
Input Return Loss (Pin3)	5 - 1000 MHz	dB	20	30	-

Pin Configuration:

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

Schematic:



PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology Solutions has under development. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed.

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Visit www.macomtech.com for additional data sheets and product information.

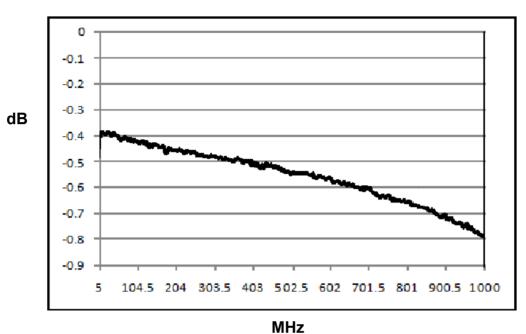


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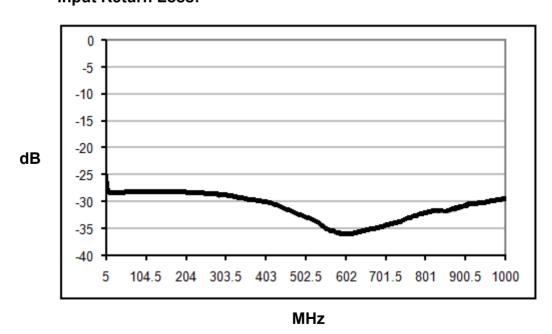
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Insertion Loss:



Input Return Loss:

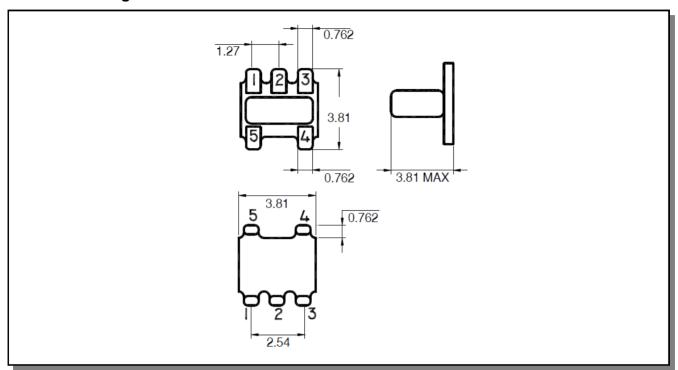




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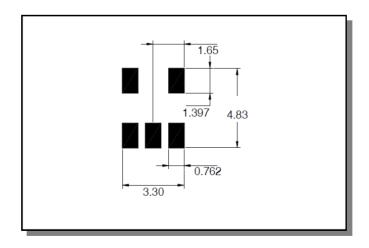
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Outline Drawing



- 1. Dimensions in mm.
- Tolerance: ±0.2mm unless otherwise noted.
- 3. Model number and lot code printed on reel.
- Plating: Sn Finish

Recommended Footprint



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ETC1.5-4TR



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Tape & Reel Information

Parameter	Units	Value		
Qty per reel	-	2000		
Reel size	mm	330		
Tape width (W)	mm	12.00		
Pitch (P ₁)	mm	8.00		
A ₀	mm	4		
B ₀	mm	4		
K ₀	mm	2.9		
Orientation	-	F5		
Reference Application note ANI-019 for orientation				

Ordering Information

Part Number	Description	
ETC1.5-4TR	Tape & Reel	

Recommended Maximum Ratings

Parameter	Units	Min	Max
Input Power	mW		250
DC Current	mA		200
Operating Temperature Range	°C	-40	+85

Temperature data available on request