ETC1.5-4TR

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

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



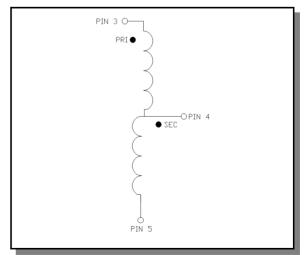
Electrical Specifications: $Z_0 = 75\Omega$, $T_A = 25^{\circ}C$, $P_{in} = 0dBm$

Parameter	Conditions	Units	Min	Тур	Мах
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:



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Rev. V2

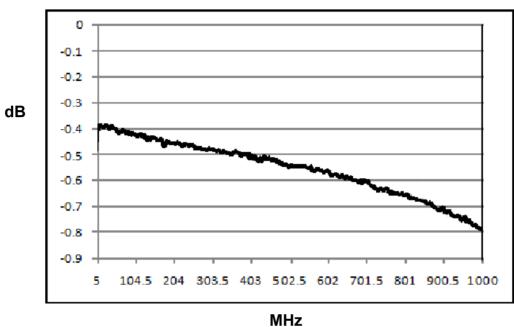
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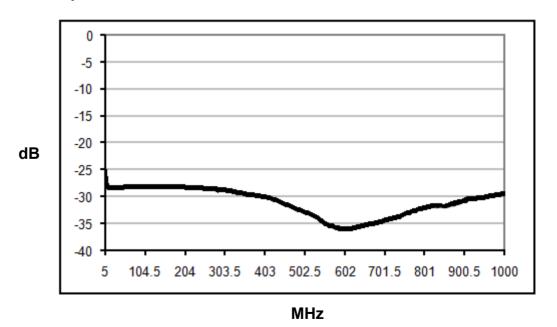
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Insertion Loss:

Input Return Loss:





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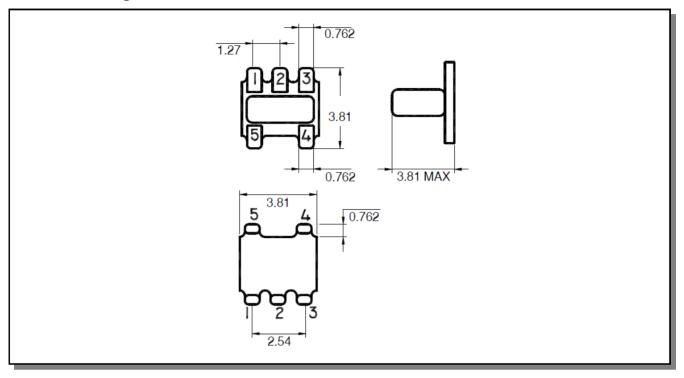
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ETC1.5-4TR

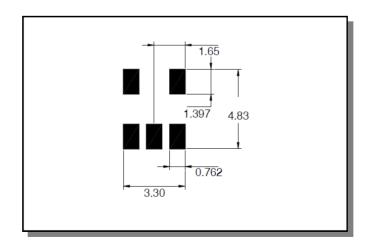
Outline Drawing



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

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Recommended Footprint



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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

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