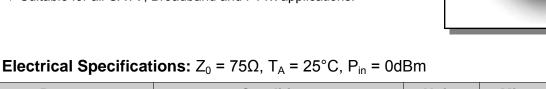
Transformer, 1:1.77 20 MHz - 1000 MHz

Features

- ◆ 1:1.77 impedance ratio
- Surface mount
- Available on tape and reel
- ♦ 260°C reflow compatible
- RoHS Compliant and Pb free
- Excellent temperature stability
- Can be used on 50Ω and 75Ω systems
- Suitable for all CATV, Broadband and FTTx applications.

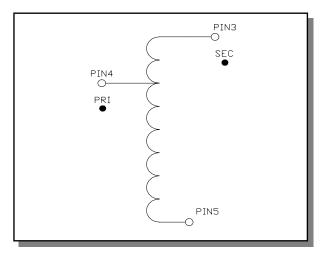


Parameter	Conditions	Units	Min	Тур	Max
Frequency Range		MHz	20		1000
Impedance		Ω		75	
Impedance Ratio				1:1.77	
Insertion Loss (Pin 4 to 3)	20 - 500 MHz 500 -1000 MHz	dB dB	-	0.6 1.1	0.8 1.2
Input Return Loss (Pin 4)	20 - 150 MHz 150 - 500 MHz 500 - 1000 MHz	dB dB dB	20 12 8	22 13 9	-

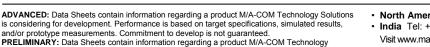
Pin Configuration

Pin No.	Function	
1	Not Connected (ground)	
2	Not Connected (ground)	
3	Secondary Dot	
4	Primary Dot	
5	Ground	

Schematic







- North America Tel: 800.366.2266
 Europe Tel: +353.21.244.6400
 India Tel: +91.80.43537383
 China Tel: +86.21.2407.1588
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- Visit www.macomtech.com for additional data sheets and product information.

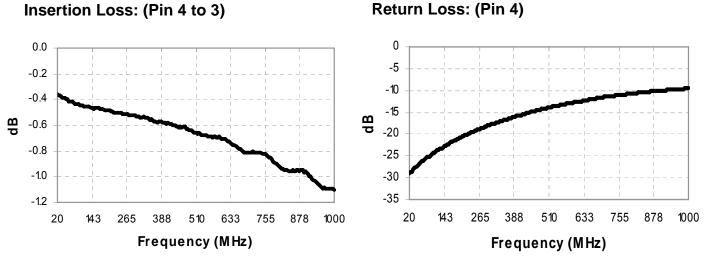




Solutions has under development. Performance is based on engineer instead. Spicifications are typical. Mechanical outline has been fixed. Engineering samples and/or test catain ay be available of A-Strift Technology Solutions in c. and its affiliates reserve the right to make Commitment to produce in volume is not outrained without notice.



Transformer, 1:1.77 20 MHz - 1000 MHz

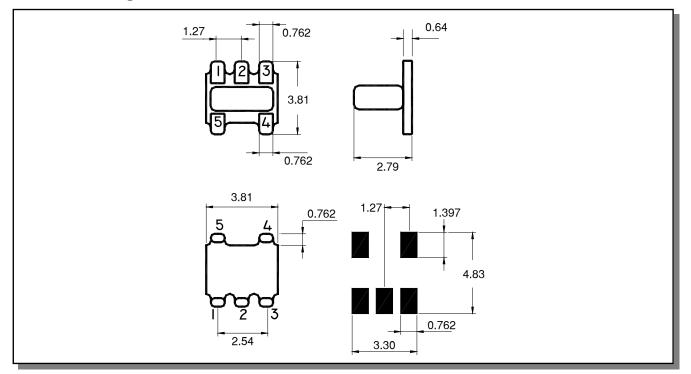


Electrical Specifications: Z_0 = 75 Ω , T_A = 25°C, P_{in} = 0dBm



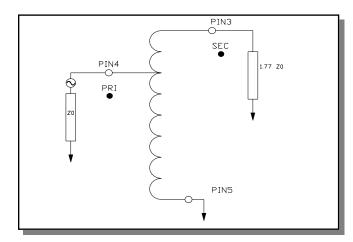
Transformer, 1:1.77 20 MHz - 1000 MHz

Outline Drawing

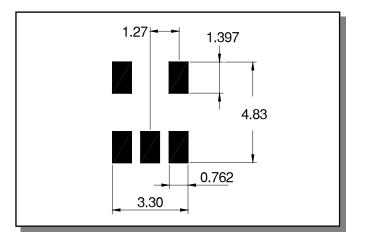


- 1. Dimensions in mm.
- 2. Tolerance: ±0.2mm unless otherwise noted.
- 3. Model number and lot code printed on reel.
- 4. Plating finish: ENIG

Application Circuit



Recommended Footprint







Rev. V1



Transformer, 1:1.77 20 MHz - 1000 MHz

Tape & Reel Information

Parameter	Units	Value	
Qty per reel	-	2000	
Reel size	mm	330	
Tape width (W)	mm	12.0	
Pitch (P ₁)	mm	8.0	
A ₀	mm	4.0	
B ₀	mm	4.0	
K ₀	mm	2.9	
Orientation	-	F5	
Reference Application note ANI-019 for orientation			

Ordering Information

Part Number	Description
MABA-010463-CA2A40	Tape & Reel

Recommended Maximum Ratings

Parameter	Units	Min	Max
Input Power	mW		250
DC Current	mA		200
Operating Temperature Range	°C	-40	+85
Storage Temperature Range	°C	-55	+125

Temperature data available on request

ECO History

Rev	Date	Description	ECO
V1	4 Sep 2010	New Transformer release	20101283

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