MABA-011031

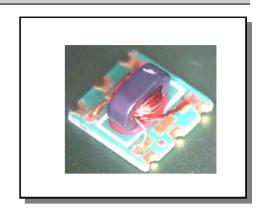


Transformer, 1:1 Transmission Line 5MHz - 1200MHz

Rev. V2

Features

- Surface mount
- 1:1 Impedance ratio
- 260°C reflow compatible
- RoHS* compliant, Pb-Free
- Available on tape and reel.



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

Conditions	Units	Min	Тур	Max
	MHz	5		1200
	Ω		75	
			1:1	
5 - 1200MHz	dB	-	0.2	0.8
5 - 1200MHz	dB	-0.9	0.7	0.9
5 - 200MHz 200 - 1200MHz	o o	-4.0 -9.0	3.0 7.0	4.0 9.0
5 - 200MHz 200 - 400MHz 400 - 1000MHz 1000 - 1200MHz	dB dB dB dB	20 18 16 14	21 23 20 20	- - -
	5 - 1200MHz 5 - 1200MHz 5 - 200MHz 200 - 1200MHz 5 - 200MHz 200 - 400MHz	MHz Ω 5 - 1200MHz dB 5 - 1200MHz dB 5 - 200MHz 200 - 1200MHz 5 - 200MHz dB dB dB dB 400 - 1000MHz dB	MHz 5 Ω 5 - 1200MHz dB - 5 - 1200MHz dB -0.9 5 - 200MHz ° -4.0 200 - 1200MHz dB 20 400 dB 18 400 - 1000MHz dB 18	MHz 5 Ω 75 1:1 5 - 1200MHz dB - 0.2 5 - 1200MHz dB -0.9 0.7 5 - 200MHz ° -4.0 3.0 200 - 1200MHz ° -9.0 7.0 5 - 200MHz dB 20 21 200 - 400MHz dB 18 23 400 - 1000MHz dB 16 20

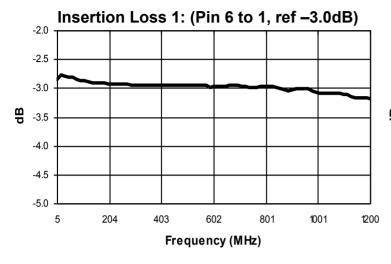
MABA-011031

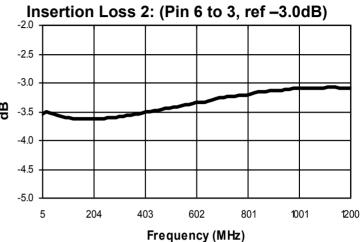


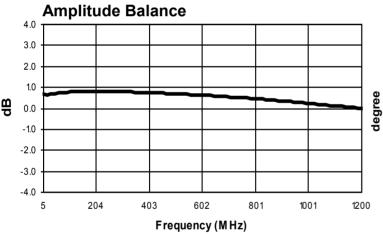
Transformer, 1:1 Transmission Line 5MHz - 1200MHz

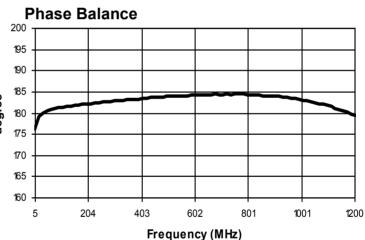
Rev. V2

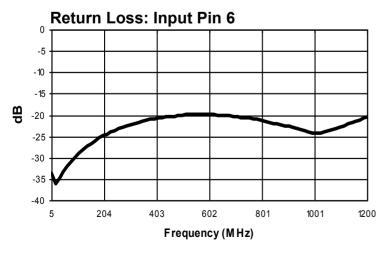
Electrical Specifications: $Z_0 = 75\Omega$, $T_A = 25$ °C, $P_{in} = 0$ dBm









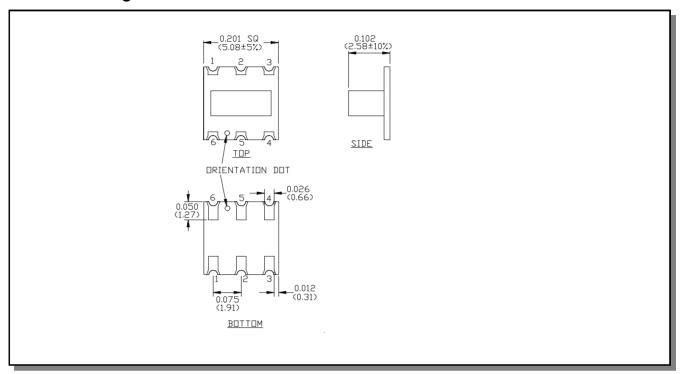




Transformer, 1:1 Transmission Line 5MHz - 1200MHz

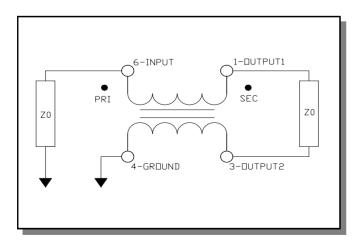
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Outline Drawing

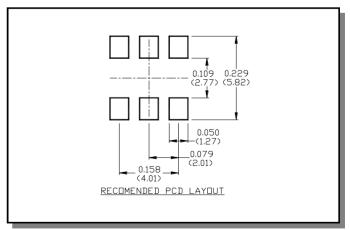


- 1. Dimensions in mm.
- 2. Tolerance: ±0.2mm unless otherwise noted.
- 3. Model number and lot code printed on reel.
- 4. Plating finish: ENIG on both sides

Application Circuit



Recommended Footprint





Transformer, 1:1 Transmission Line 5MHz - 1200MHz

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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	5.3
B ₀	mm	5.3
K ₀	mm	2.7
Orientation	-	F53
Reference Application note ANI-019 for orientation		

Ordering Information

Part Number	Description	
MABA-011031	Tape & Reel	

Recommended Maximum Ratings

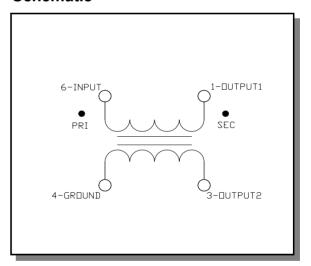
Parameter	Units	Min	Max
Input Power	mW		+24dBm (250mW)
DC Current	mA		30
Operating Temperature Range	°C	-40	+85

Temperature data available on request

Pin Configuration

Pin No.	Function	
1	Secondary Dot (output1)	
2	Not Used (Ground)	
3	Secondary (output2)	
4	Primary (ground)	
5	Not Used (Ground)	
6	Primary Dot	

Schematic



MABA-011031



Transformer, 1:1 Transmission Line 5MHz - 1200MHz

Rev. V2

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