

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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MABA-011031

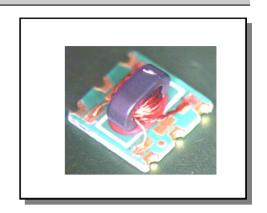


Transformer, 1:1 Transmission Line 5MHz - 1200MHz

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	0	-4.0 -9.0	3.0 7.0	4.0 9.0
5 - 200MHz 200 - 400MHz 400 - 1000MHz 1000 - 1200MHz	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 20 200 - 400MHz dB 18 400 - 1000MHz dB 16	MHz 5 Ω 75 1:1 5 - 1200MHz dB - 0.2 5 - 1200MHz dB -0.9 0.7 5 - 200MHz ° -4.0 3.0 7.0 5 - 200MHz ° -9.0 7.0 5 - 200MHz dB 20 21 200 - 400MHz dB 18 23 400 - 1000MHz dB 16 20

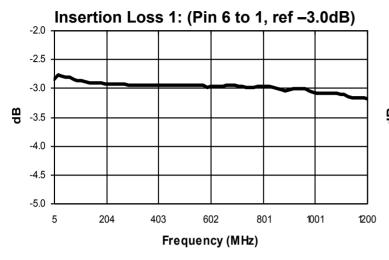
MABA-011031

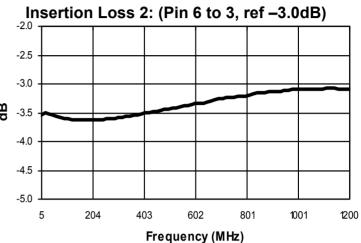


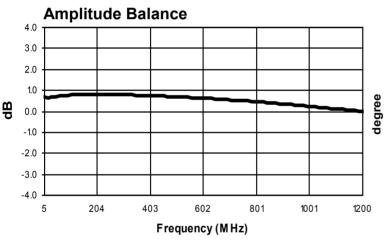
Transformer, 1:1 Transmission Line 5MHz - 1200MHz

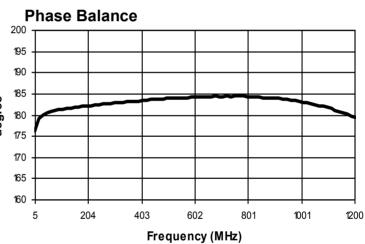
Rev. V2

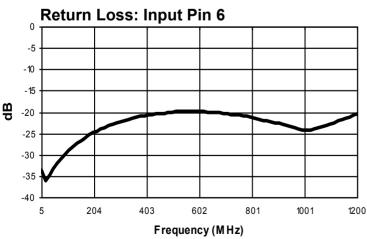
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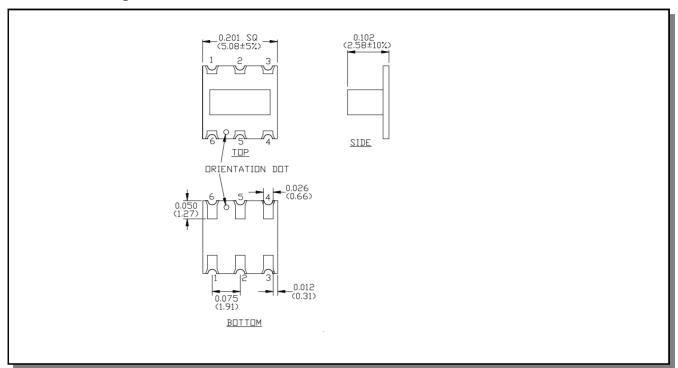




Transformer, 1:1 Transmission Line 5MHz - 1200MHz

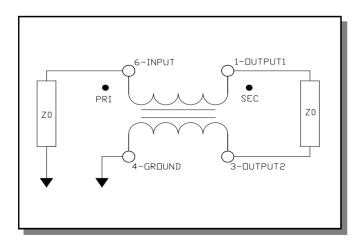
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Outline Drawing

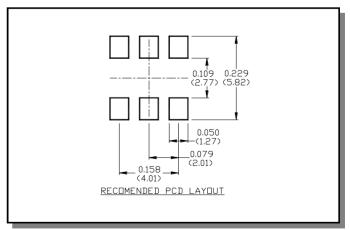


- 1. Dimensions in mm.
- 2. Tolerance: ±0.2mm unless otherwise noted.
- 3. Model number and lot code printed on reel.
- 4. Plating finish: ENIG on both sides

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

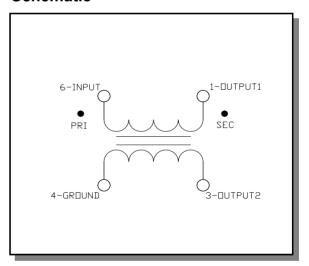
Parameter	Units	Min	Max
Input Power	mW		+24dBm (250mW)
DC Current	mA		30
Operating Temperature Range	°C	-40	+85

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



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