MABA-009650-CF1160

1:1 Flux Coupled Transformer 5 to 120 MHz



- Surface Mount
- 1:1 Flux Coupled
- 260°C Reflow Compatible
- Excellent temperature stability
- RoHS version of ETC1-1T-8, lead free

Description

M/A-COM's MABA-009650-CF1160 is a low cost 1:1 Flux Coupled Transformer designed for high volume CATV Broadband applications. Suitable for use in 50 Ohm and 75 Ohm systems



Pin configuration

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Pin No.	Function		
1	Secondary Dot (output 1)		
2	Centre Tap		
3	Secondary (output 2)		
4	Primary (ground)		
5	Primary Dot (input)		

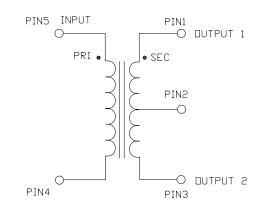
Note: Reference Application Note M513 for reel size information.

* Restrictions on Hazardous Substances, European Union Directive 2002/95/EC.

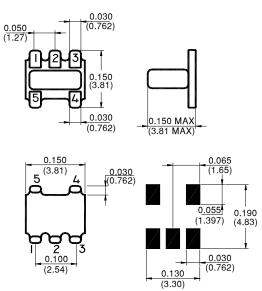
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ment. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed.

Schematic



Case style: SM-22



Dimensions in inches [mm] Tolerance: .xx \pm .02, .xxx \pm .010, unless otherwise stated

Ordering information

Part number	Description		
MABA-009650-CF1160	Reel quantity 2000		
MABA-009650-CF11TB	Customer Test Board		



- North America Tel: 800.366.2266 / Fax: 978.366.2266
- Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300
- Asia/Pacific Tel: 81.44.844.8296 / Fax: 81.44.844.8298
 Visit www.macom.com for additional data sheets and product information.

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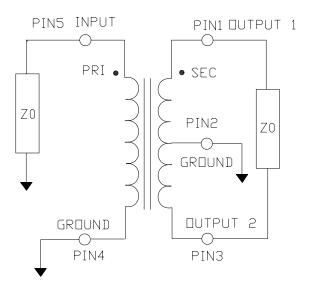
Electrical Specifications: T_A=25°C, Z₀=75Ω

Parameter	Frequency	Units	Min	Тур	Мах
Frequency Range:	5 - 120 MHz				
Insertion Loss	5 - 120 MHz	dB	-	0.4	0.6
Amplitude Balance	5 - 120 MHz	dB	-	± 0.1	± 0.3
Phase Balance	5 - 120 MHz	0	-	± 0.5	± 2.0
Input Return Loss	5 - 65 MHz 65 - 120 MHz	dB dB	22 17	28 23	-

Recommended Maximum Ratings

Parameter	Value		
RF Power	250 mW		
DC current	30mA		
Operating Temperature	-40°C to +85°C		
Storage Temperature	-40°C to +85°C		

Application Circuit



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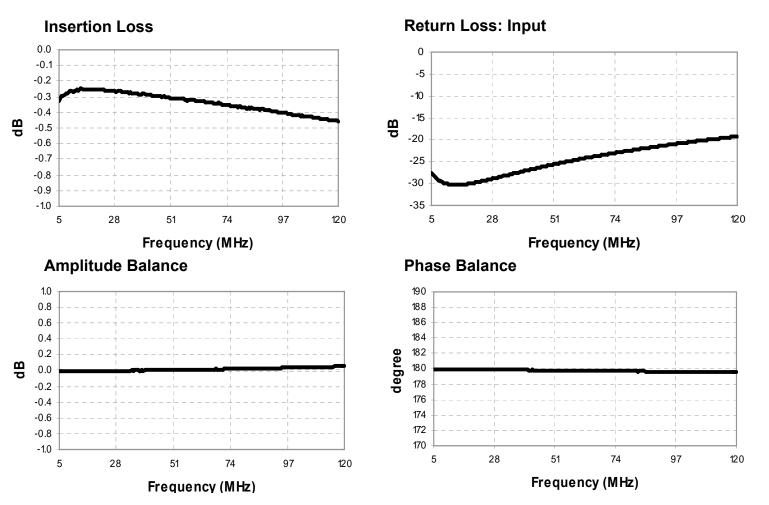
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Typical Performance Curves: $T_A=25^{\circ}C$, $Z_0=75\Omega$, Pin=0dBm



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