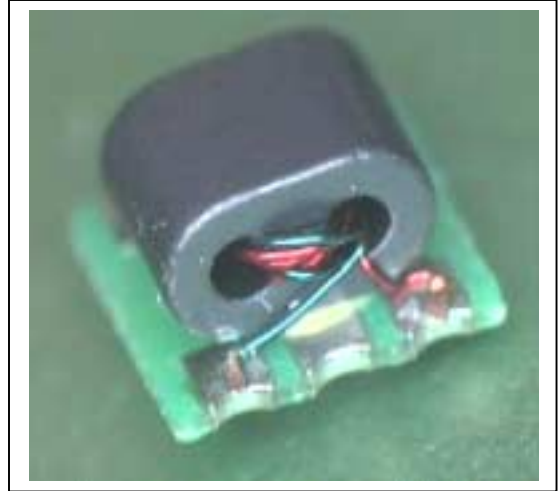


Features

- SMT unit
- 1:1 impedance
- Available on tape & reel
- Excellent temperature stability

Description

M/ACom's MABACT0034 is a 1:1 RF transmission line transformer in a low cost, surface mount package. Ideally suited for high volume CATV/Broadband applications.



Electrical Specifications @ 25°C, 75 Ohm

Parameter	Test Conditions	Units	Min.	Typ.	Max.
Frequency Range: 4.5-3000 MHz					
Insertion Loss	4.5 - 1000 MHz	dB	—	0.8	1.0
	1000 - 2000 MHz	dB	—	1.6	2.0
	2000 – 3000 MHz	dB	—	2.5	3.5
Amplitude Balance	4.5 - 3000 MHz	dB	—	± 0.5	± 1.0
Phase Balance	4.5 - 3000 MHz	°	—	± 10	± 20

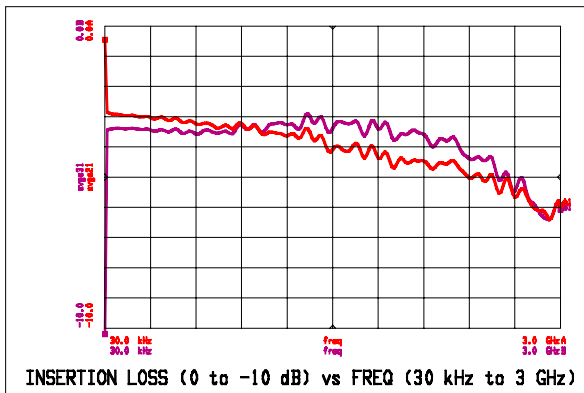
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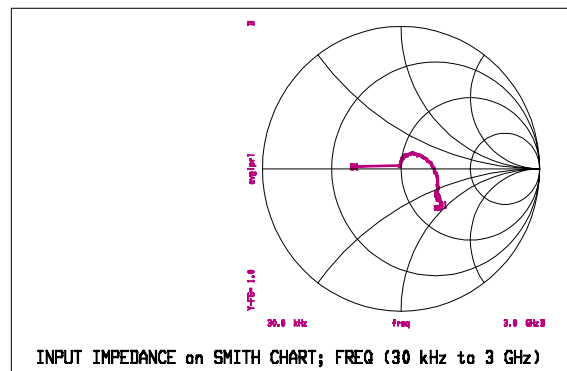
■ North America: Tel. (800) 366-266, Fax (800) 618-8883
 ■ Asia/Pacific: Tel.+ 81-44-844-8296, Fax+81-44-844-8298
 ■ Europe: Tel. +44(1908) 574 200, Fax +44(1908) 574 300

Typical Performance @ +25°C, 75 Ohm

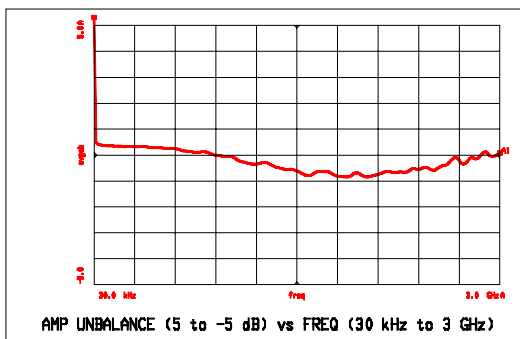
Insertion loss



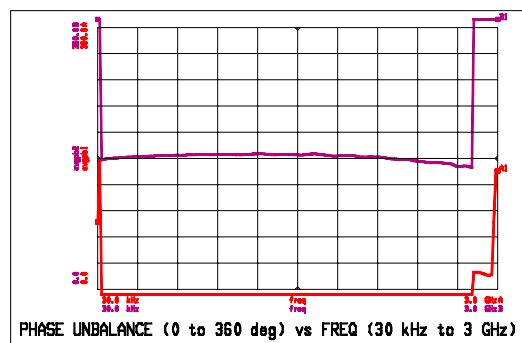
Input Return Loss



Amplitude balance



Phase balance



Absolute Maximum Ratings ¹

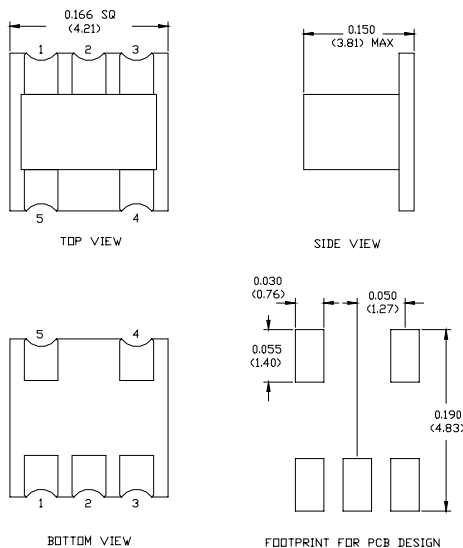
	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating/Storage Temperature	-40° C to +85° C

¹ Exceeding one or a combination of these settings may cause permanent damage to the unit

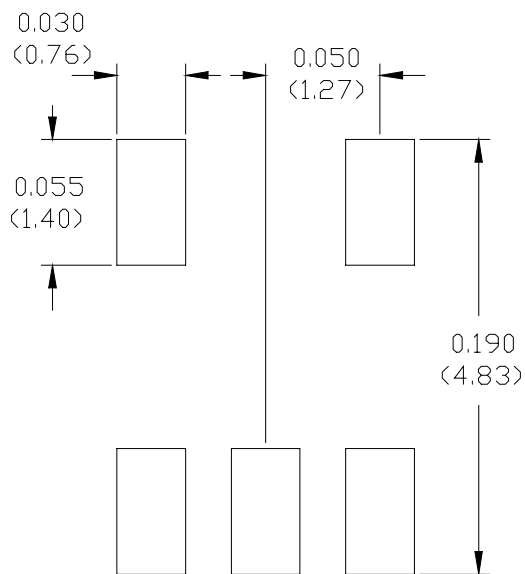
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SM-164 Case Style



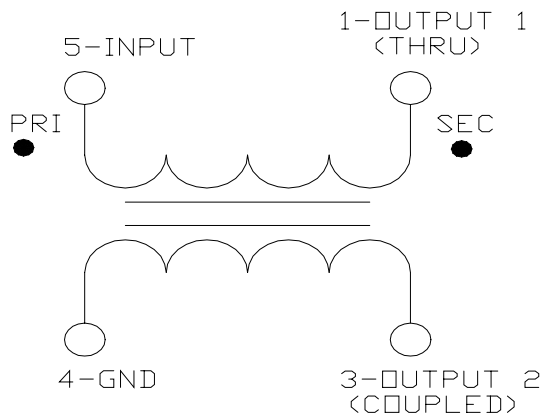
Suggested Footprint



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Functional Schematic



Pin Configuration

Function	Pin No.
Primary Dot (input)	5
Primary (ground)	4
Secondary Dot (o/p 1)	1
Not connected (ground)	2
Secondary (o/p 2)	3

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