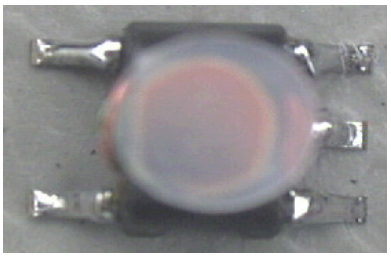
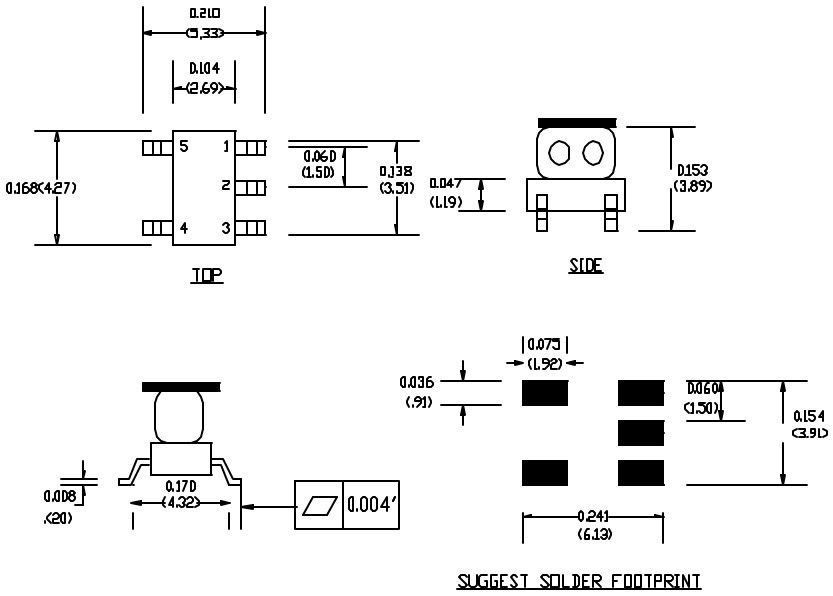
MABACT0018

5.0 – 200 MHz

MABACT0018



SM-138-A



Features

- Surface mount
- 1:4 Impedance
- CT on Secondary
- Available on Tape & Reel

Note:SM-138-A incorporates the Plastic Disk

Description

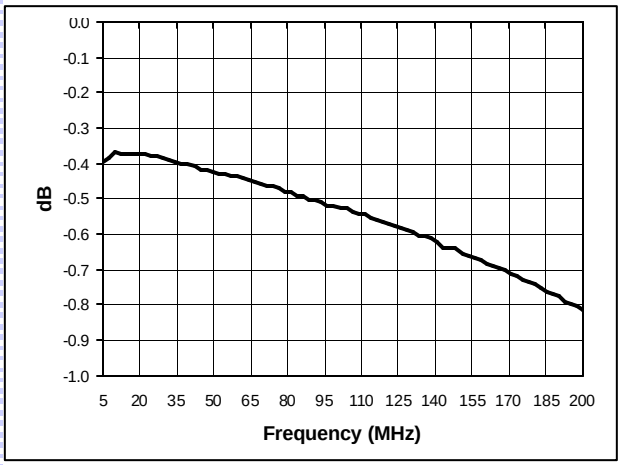
M/A Com's MABACT0018 is a 1:4 RF flux coupled step-up transformer in a low cost, surface mount package. Ideally suited for high volume cellular & wireless applications. Typical applications include single to balance mode conversion and impedance matching.

Electrical Specifications @ 25°C

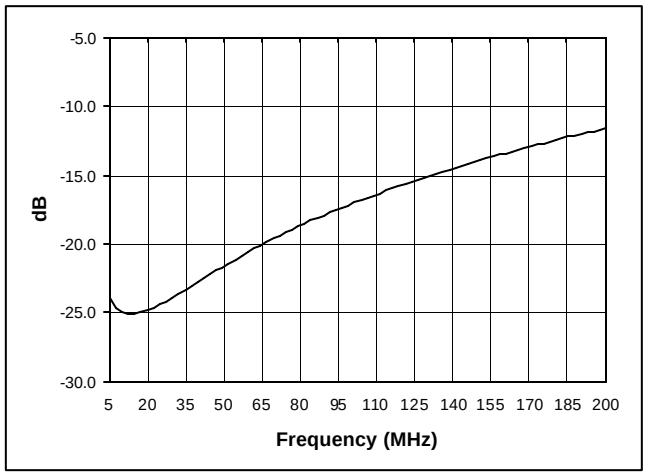
Parameter	Frequency (MHz)	Units	Min.	Typ.	Max.
Frequency Range.	5 – 65 65 - 200	- -	- -	- -	- -
Insertion Loss.	5 – 65 65 - 200	dB dB	- -	0.40 0.90	0.7 1.5
Amp Balance.	5 – 65 65 - 200	dB dB	-	0.02 0.20	0.1 0.5
Phase Balance.	5 – 65 65 - 200	° °	- -	0.40 2.0	2.0 8.0
Input Return Loss.	5 – 65 65 - 200	dB dB	15.0 7.0	22.0 11.0	- -

Note: Specifications subject to change without notice.

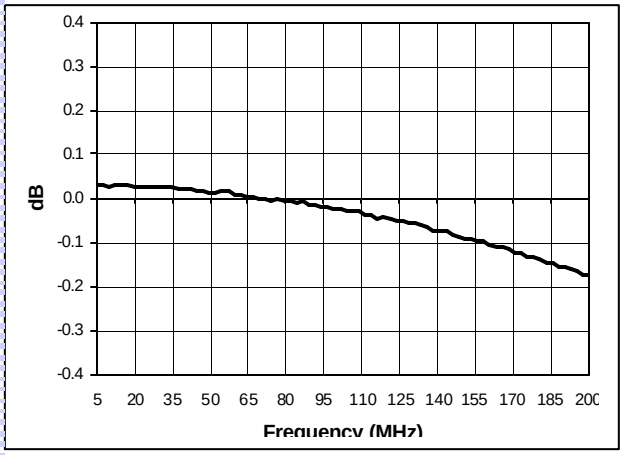
Insertion Loss



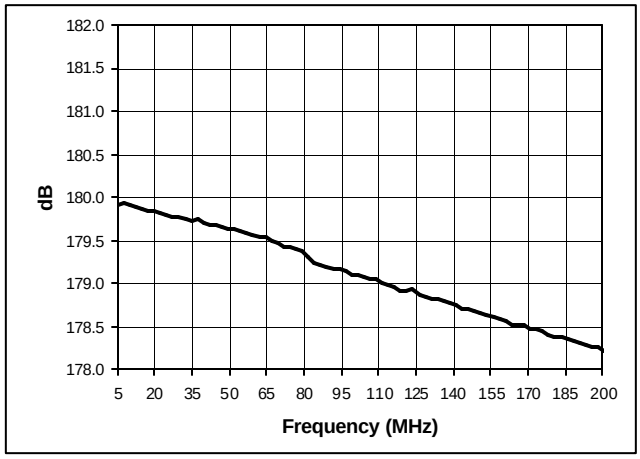
Input Return Loss



Amplitude Unbalance



Phase Unbalance



Rev A

Specifications subject to change without notice.

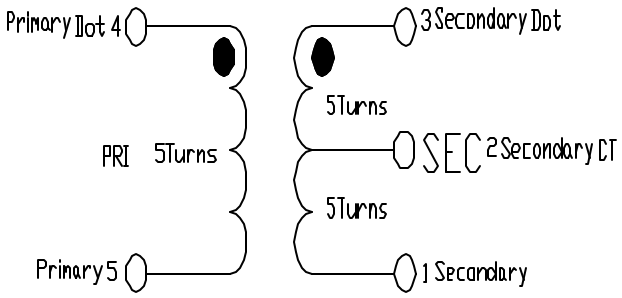
- **North America:** Tel. (800) 366-2266, Fax (800) 618-8883
- **Asia/Pacific:** Tel.+81-44-844-8296, Fax +81-44-844-8298
- **Europe:** Tel. +44 (1908) 574 200, Fax+44 (1908) 574 300

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Schematic



Pin Configuration

Pin No.	Function
1	Secondary
2	Secondary CT
3	Secondary Dot
4	Primary Dot
5	Primary

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	50 mW
Peak IF Current	200 mA
Storage Temperature	-40°C to +85° C
Operating Temperature	-40°C to +85° C
Pin Temperature (10 Seconds)	260° C

Specifications subject to change without notice.

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