

3 - 200 MHz



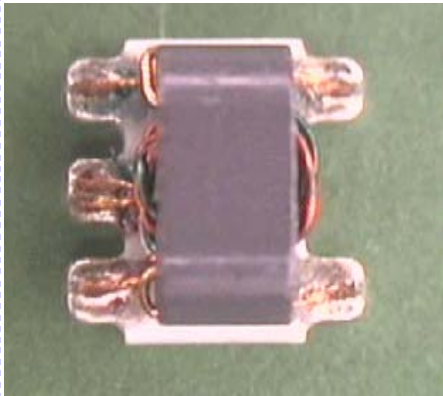
MABACT0012

Features:

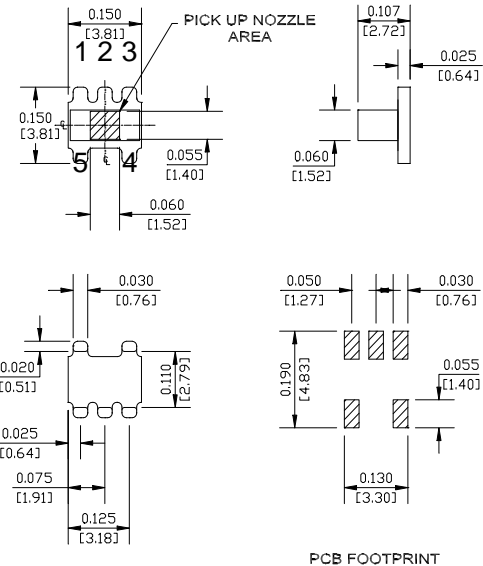
- Surface Mount
- 1:1 Impedance
- CT on Secondary
- Available on tape & reel

Description

M/A-COM's MABACT0012 is a 1:1 RF flux coupled transformer in a low cost, surface mount package. Ideally suited for high volume CATV/Broadband applications.



SM-22B



Dimensions in inches [mm] Tolerance: .xx ± .02, .xxx ± .010

Ordering Information

Part Number	Package
MABACT0012	Tape & Reel

Electrical Specifications: 25°C, Impedance = 75 Ohms

Parameter	Frequency (MHz)	Units	Minimum	Typical	Maximum
Frequency Range	3 - 200				
Insertion Loss	3 - 200	dB	-	0.8	1.5
Amplitude Unbalance	3-50	dB	-	-	0.1
Amplitude Unbalance	3-200	dB	-	-	0.5
Phase Unbalance	3-50	°	-	-	1
Phase Unbalance	50-200	°	-	-	5
Input Return Loss	3-200	dB	-	-	10
Input Return Loss	5-120	dB	-	-	15

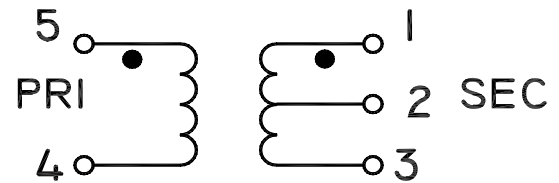
Absolute Maximum Ratings

Parameter	Maximum
RF input power	250mW
DC current	30mA
Operating temperature	-40°C - +85°C
Storage temperature	-40°C - +85°C

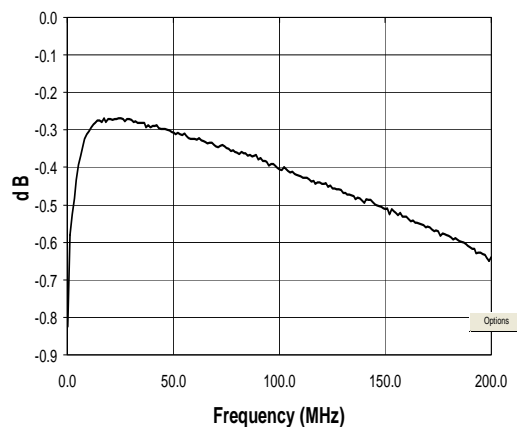
Pin Configuration

Function	Pin #
Secondary	3
Secondary CT	2
Secondary Dot	1
Primary Dot	5
Primary	4

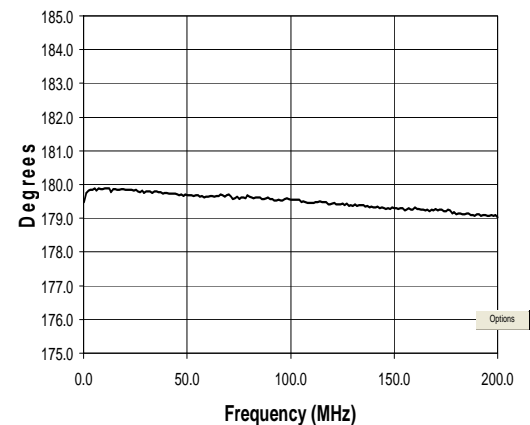
Schematic



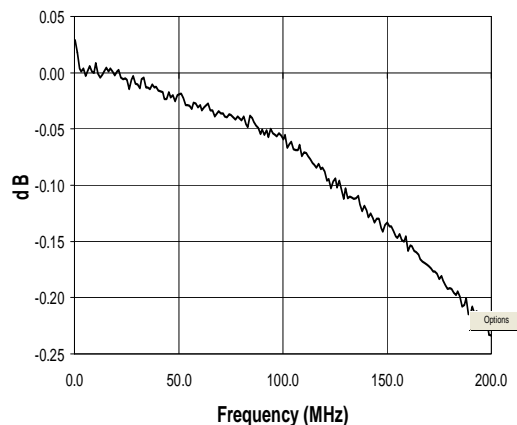
Insertion Loss Port



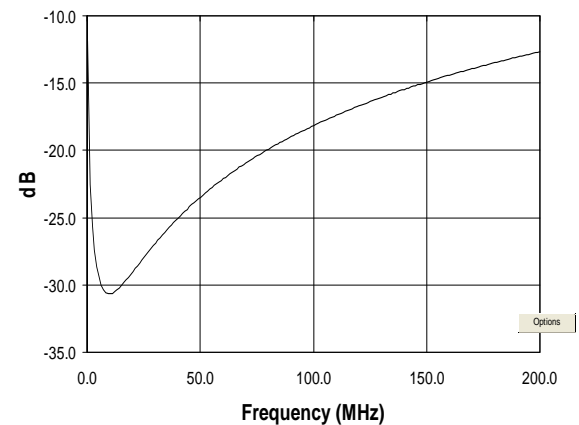
Phase Balance



Amplitude Unbalance



Input Return Loss



ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed.

PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology Solutions has under development. 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.

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