

1:4 Flux Coupled Step up Transformer

Rev B

1 - 350 MHz

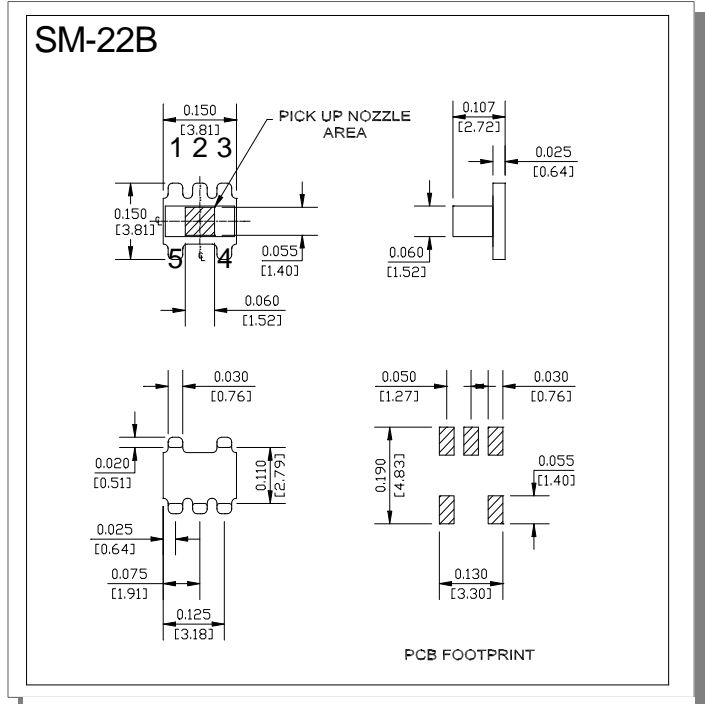
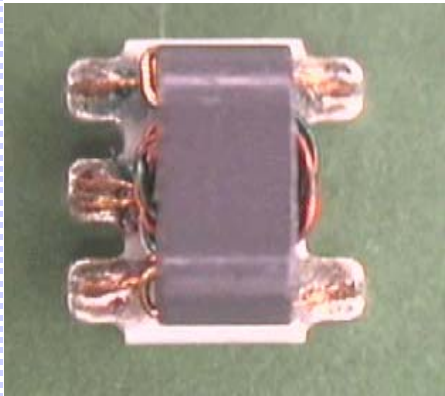
MABACT0011

Features:

- Surface Mount
- 1:4 Impedance
- CT on Secondary
- Available on tape & reel

Description

M/A-COM's MABACT0011 is a 1:4 RF flux coupled step-up transformer in a low cost, surface mount package. Ideally suited for high volume CATV/Broadband applications



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

Ordering Information

Part Number	Package
MABACT0011	Tape & Reel

Electrical Specifications: 25°C, Impedance = 75 Ohms

Parameter	Frequency (MHz)	Units	Minimum	Typical	Maximum
Frequency Range	1 - 350				
Insertion Loss	5-100	dB	-	0.8	1.0
Insertion Loss	2-300	dB	-	1.6	2.0
Insertion Loss	1-350	dB	-	2.0	3.0
Amplitude Unbalance	5-100	dB	-	-	0.1
Amplitude Unbalance	1-350	dB	-	-	0.5
Phase Unbalance	5-100	°	-	-	1
Phase Unbalance	1-350	°	-	-	5

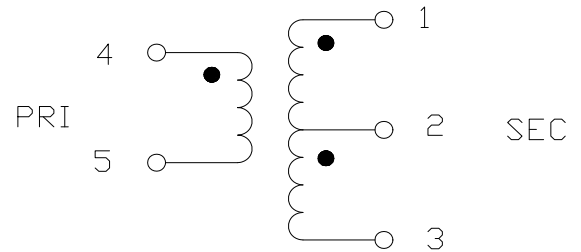
Absolute Maximum Ratings

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

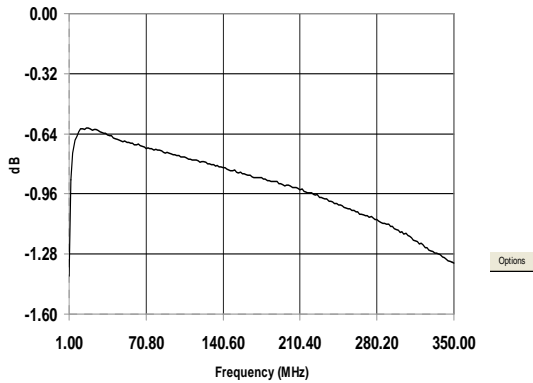
Pin Configuration

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

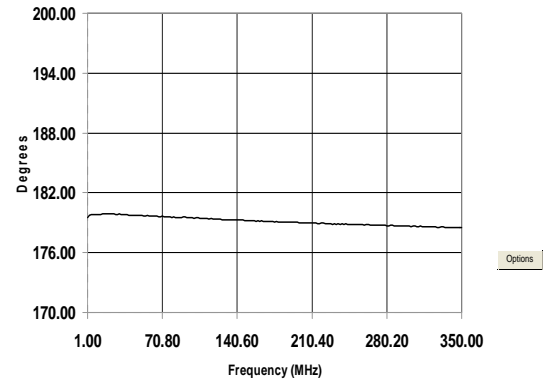
Schematic



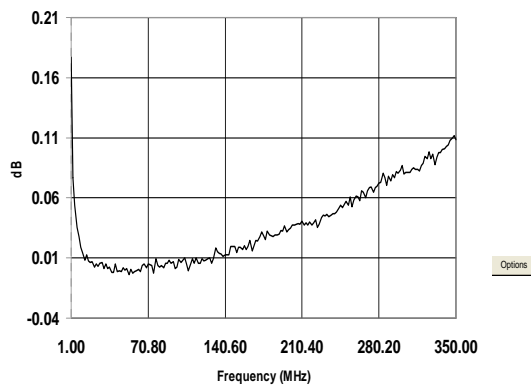
Insertion Loss Port



Phase Balance



Amplitude Unbalance



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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