

1:4 Flux Coupled Step up Transformer

1 - 350 MHz

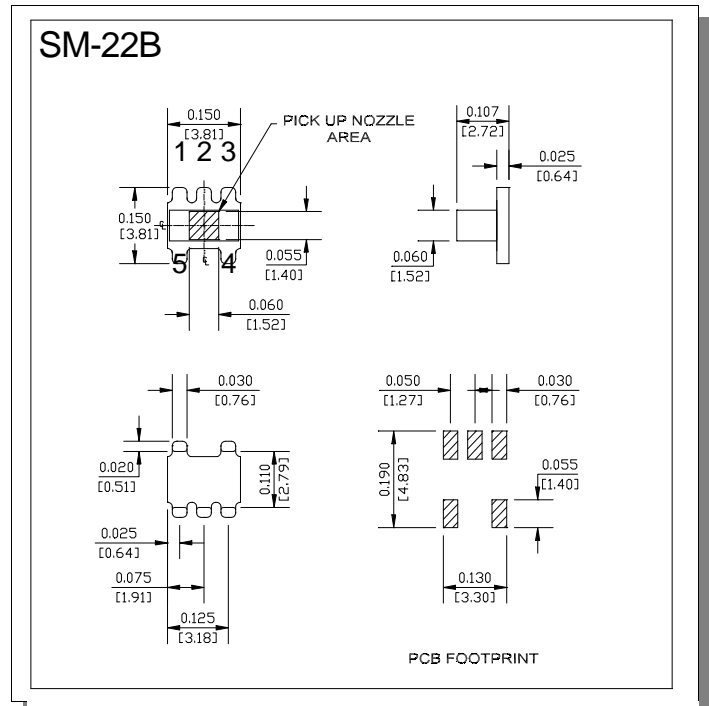
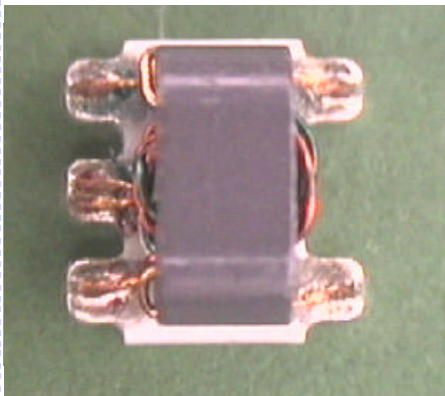
MABACT0011

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 cellular and 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 |

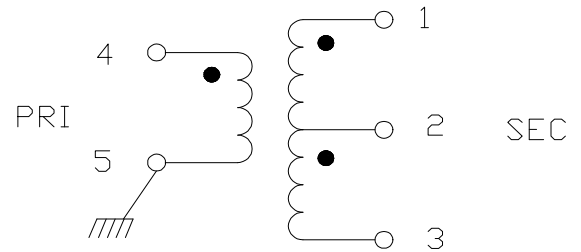
Absolute Maximum Ratings

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

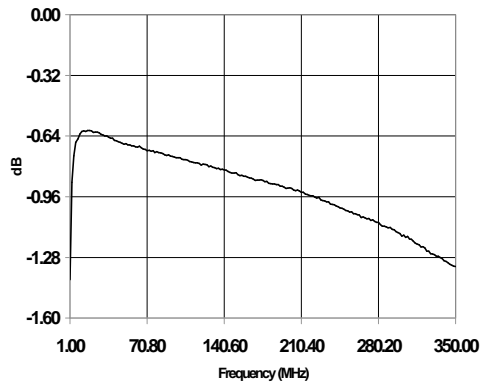
Pin Configuration

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

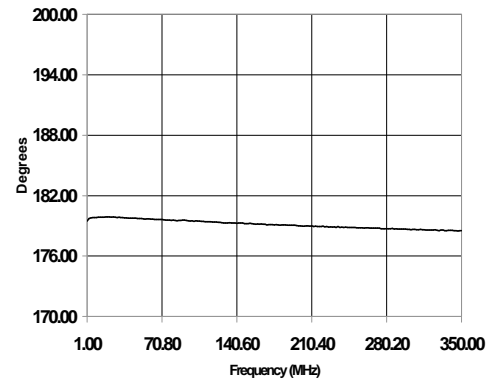
Schematic



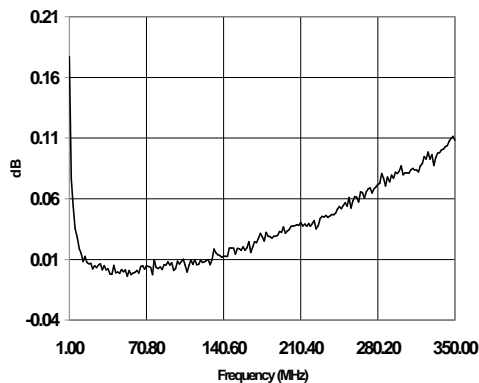
Insertion Loss Port



Phase Balance



Amplitude Unbalance



Specification subject to change without notice.

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Visit www.macom.com for additional datasheets and information.