

# E-Series RF 1:2.56 Impedance Ratio Center Taped Transformer 5 - 65 MHz



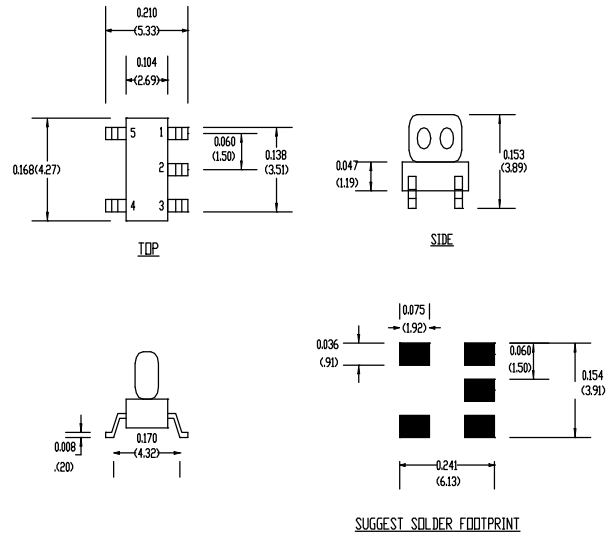
## Features

- Surface Mount
- 1:2.56 Impedance Ratio Center taped.
- Available on Tape & Reel



## SM-138 Package

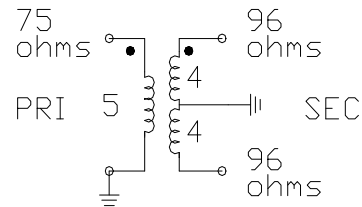
Note: Non Hermetic Package



## Description

M/A-COM's MABAES0017 is a 1:2.56 RF Flux Coupled transformer in a low cost, surface mount package. Ideally suited for high volume CATV applications.

## Schematic



## Electrical Specifications @25°C

Parameter	Units	Nominal	Typical	Minimum	Maximum
Frequency Range	5-65	MHz	—	—	—
Insertion Loss 5-65 MHz	dB	—	0.8	—	1.0
Amplitude Balance 5-65 MHz	dB	—	0.02	—	0.1
Phase Balance 5-65 MHz	Degrees	—	0.2	—	1.0

Please Note that the photograph above indicates package shape only, unit may be wired differently.

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Specifications subject to change without notice.

**Absolute Maximum Ratings**

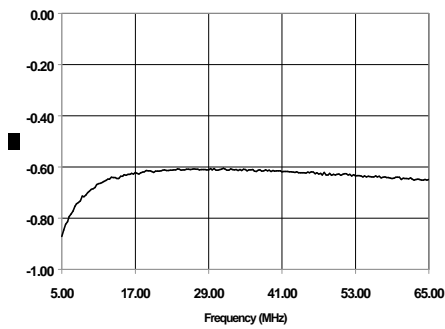
Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating/Storage Temperature	-40°C to +85°C

**Functional Configuration**

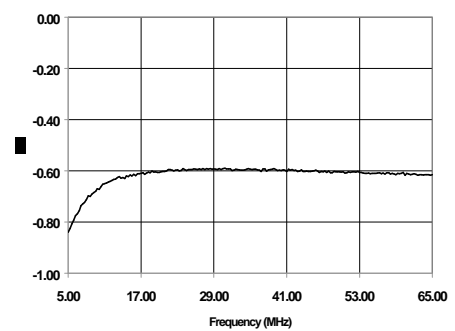
Function	Pin No.
Primary	4
Primary Dot	5
Secondary	3
Secondary Dot	1
Centre Tap	2

**Typical Performance @ +25°C**

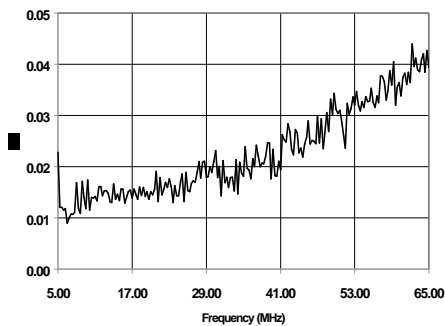
**Insertion Loss 1**



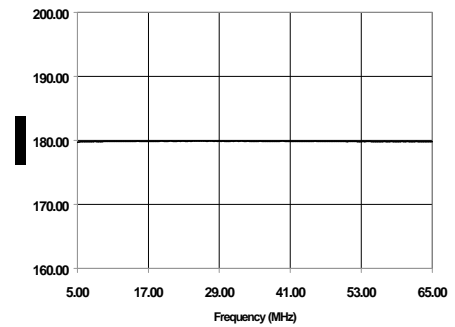
**Insertion Loss 2**



**Amplitude Balance**



**Phase Balance**



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