

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

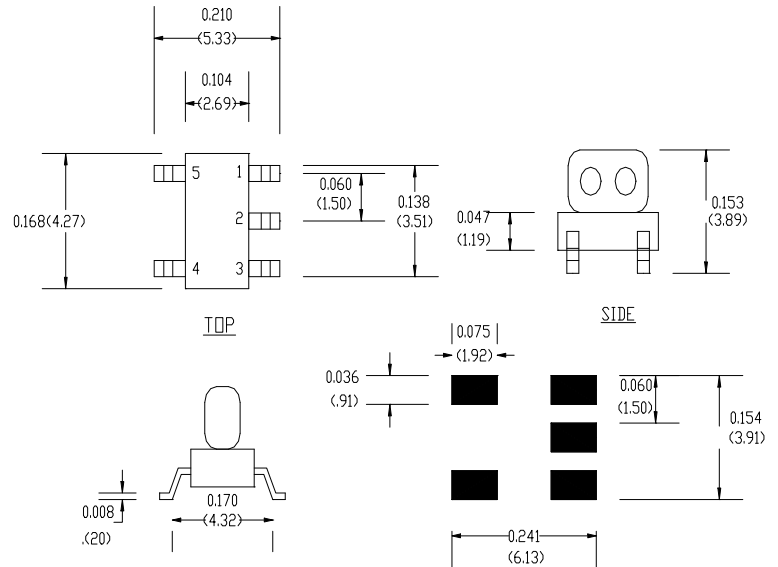


Features

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



SM-138 Package

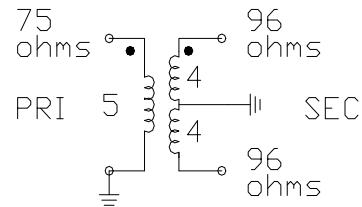


SUGGEST SOLDER FOOTPRINT

Description

M/A-COM's MABAES0017 is a 2.56:1 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.

S 1599 B

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Absolute Maximum Ratings

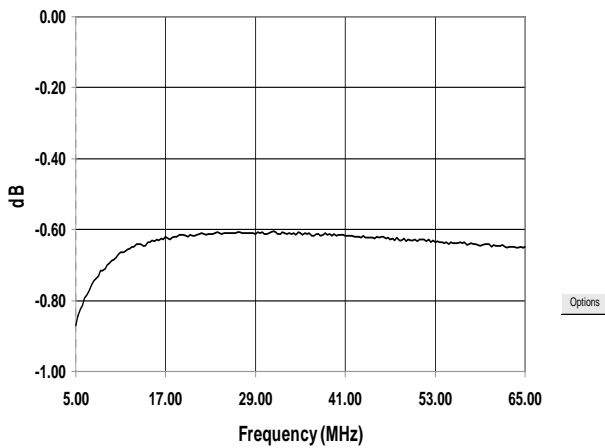
Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating/Storage Temperature	-40°C to +85°C

Functional Configuration

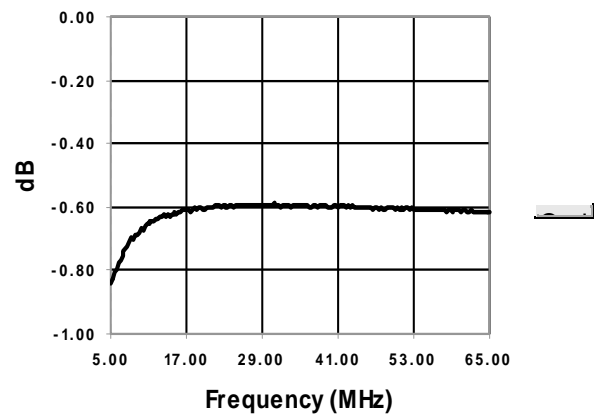
Function	Pin No.
Primary	4
Primary Dot	5
Secondary	3
Secondary Dot	1
Centre Tap	2

Typical Performance @ +25°C

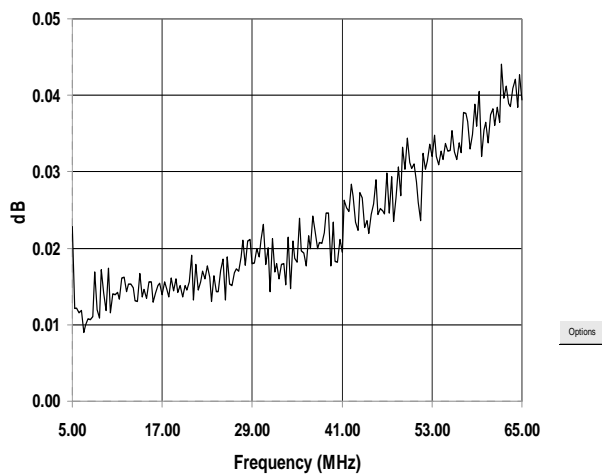
Insertion Loss 1



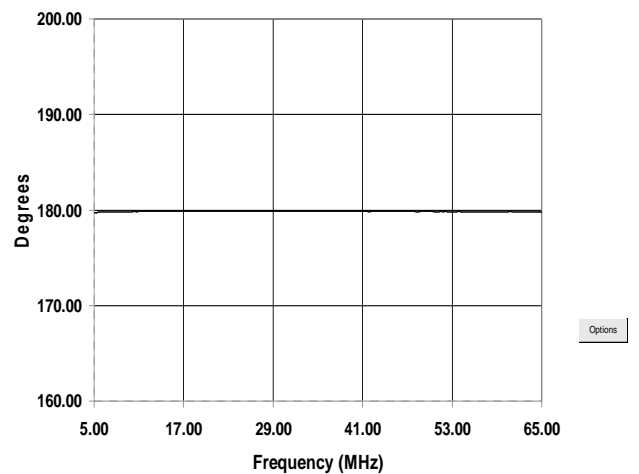
Insertion Loss 2



Amplitude Balance



Phase Balance



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