



M/A-COM

ETC1-1T

E-Series RF 1:1 Flux Coupled Transformer 0.3 - 200 MHz

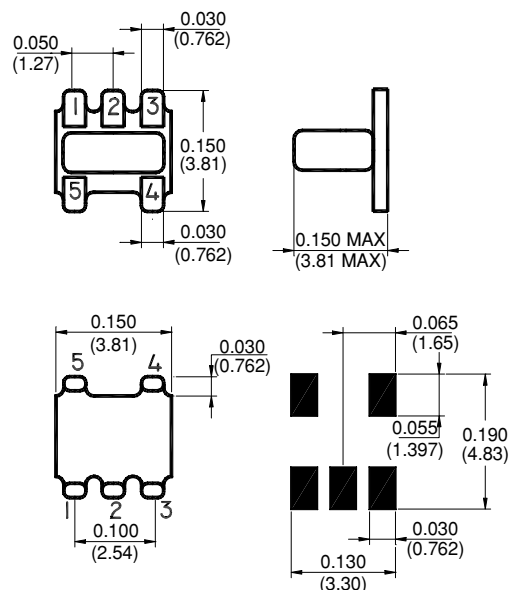


Features

- Surface Mount
- 1:1 Impedance Ratio
- CT on Secondary
- Available on Tape & Reel



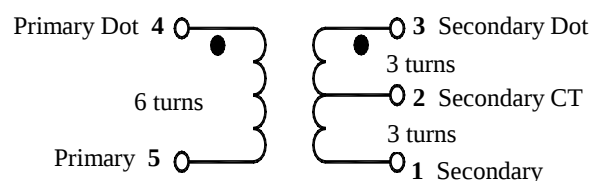
SM-22 Package



Description

M/A-COM's ETC1-1T is a 1:1 RF flux coupled transformer in a low cost, surface mount package. Ideally suited for high volume applications.

Schematic



Electrical Specifications @25°C

Parameter	Units	Nominal	Typical	Minimum	Maximum
Frequency Range	0.3 - 200	MHz	—	—	—
Insertion Loss	0.3 - 200 MHz	dB	—	—	1.5
Amplitude Imbalance	0.3 - 50 MHz	dB	—	—	0.1
	0.3 - 200 MHz	dB	—	—	0.5
Phase Imbalance	0.3 - 50 MHz	Degrees	—	—	1.0
	0.3 - 200 MHz	Degrees	—	—	5.0

Please Note that the photograph above indicates typical package only, not actual unit.

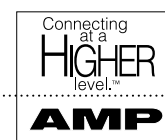
V3.00 S 0181 G



M/A-COM Division of AMP Incorporated n North America: Tel. (800) 366-2266, Fax (800) 618-8883 n Asia/Pacific: Tel.+85 2 2111 8088, Fax +85 2 2111 8087 n Europe: Tel. +44 (1344) 869 595, Fax+44 (1344) 300 020

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Absolute Maximum Ratings

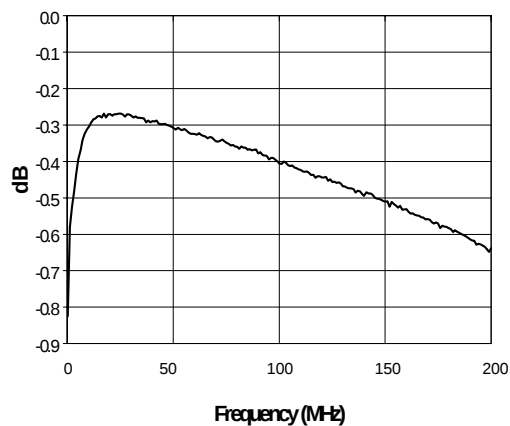
Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to 100°C

Functional Configuration

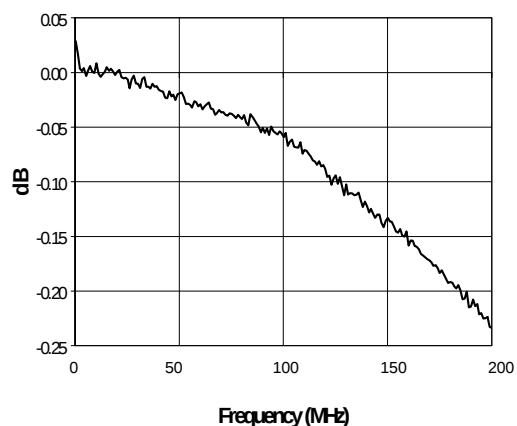
Function	Pin No.
Primary Dot	4
Primary	5
Primary CT	—
Secondary Dot	3
Secondary	1
Secondary CT	2
Case Ground	—
Not Connected	—

Typical Performance @ +25°C

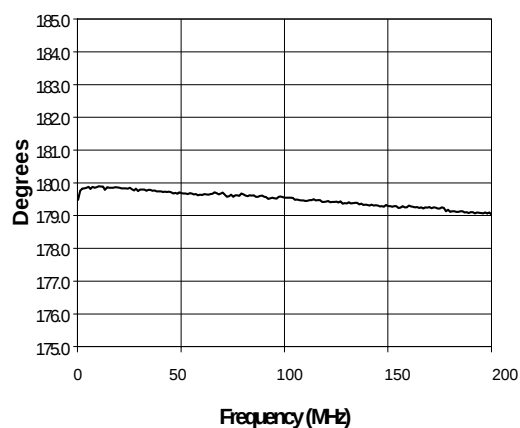
Insertion Loss



Amplitude Imbalance



Phase Imbalance



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