

E-Series RF 1:1 Transformer

1475 - 1575 MHz

ETC1-1R5-1

V3.00

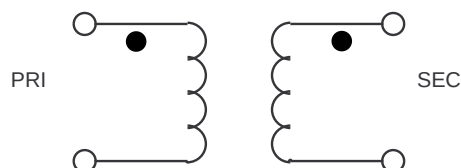
Features

- Surface Mount
- 1:1 Impedance Ratio

Description

M/A-COM's ETC1-1R5-1 is a 1:1 RF transformer in a low-cost, surface mount package. Ideally suited for high-volume cellular and wireless applications. Typical applications include DC isolation.

Schematic



Specifications @ 25°C

Frequency Range: 1474 - 1575 MHz

Parameter	Maximum	Mean (x)	Sigma (σ)
Insertion Loss ($f_L - f_U$)	2.0 dB	0.78 dB	0.056

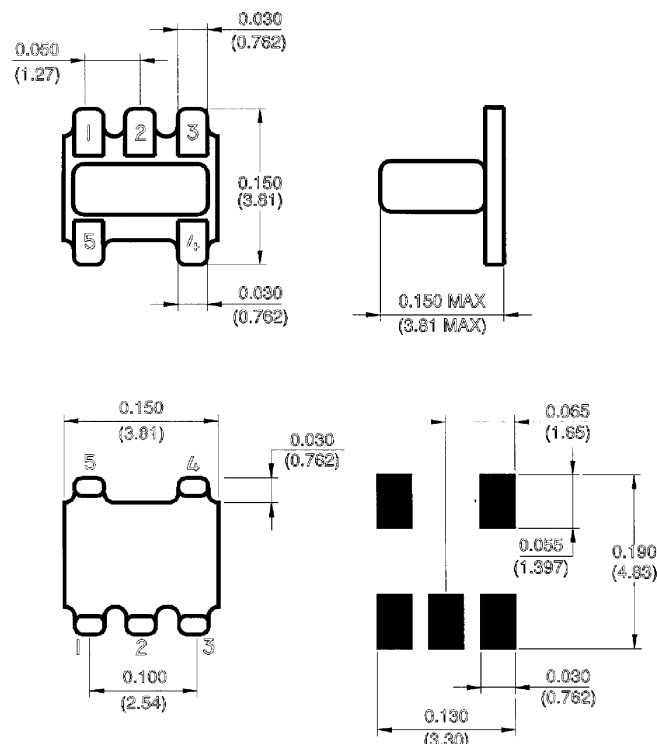
Note: Mean and sigma calculated from average loss at @ 1500 MHz.

Ordering Information

Part No.
ETC1-1R5-1
ETC1-1R5-1TR

Packaging
Tubes
Tape & Reel

SM-22



Dimensions in () are in mm.
Unless Otherwise Noted: .x = ±0.04 (1.00)
.xx = ±0.02 (0.50)
.xxx = ±0.010 (0.250)

Pin Configuration

Pin No.	Function
1	Secondary dot
2	Not connected
3	Secondary
4	Primary
5	Primary dot

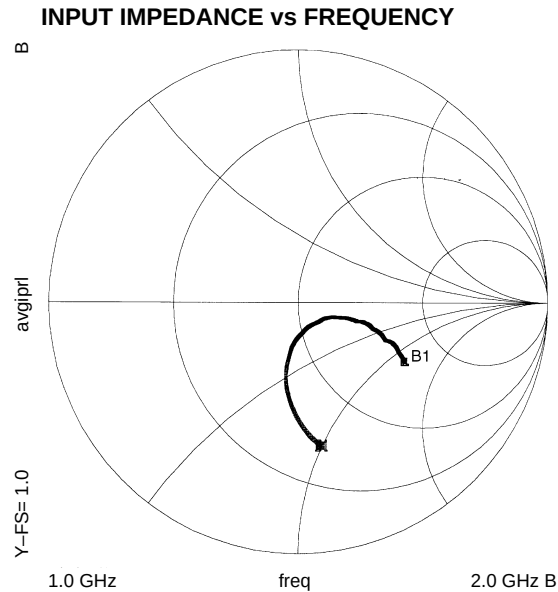
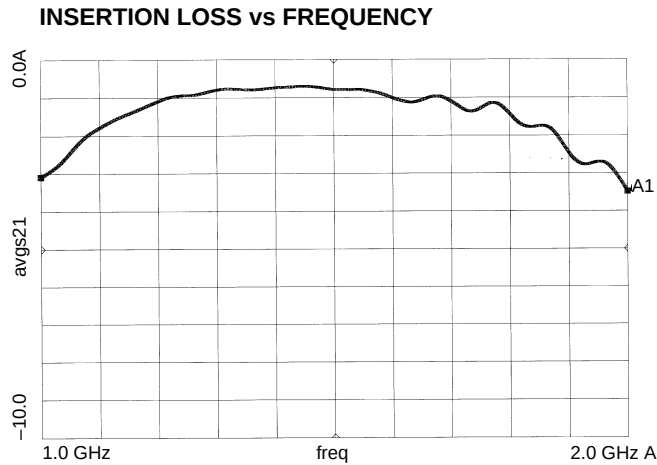
S 0968 C

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating/Storage Temp.	-20°C to +85°C

Typical Performance

Over Extended Bandwidth (1 GHz - 2 GHz)



Note: All measurements performed on Hewlett Packard 8753D Network Analyzer (201 sample points, linear scale) in a 50 ohm coplanar waveguide environment. Tables created using MDS software.

S-Parameter data available by E-Mail. Send your request to: eurotec@corp.macom.com.