

E-Series RF 4:1 Transformer

500 - 2500 MHz

ETC1.6-4-2-3

V3.00

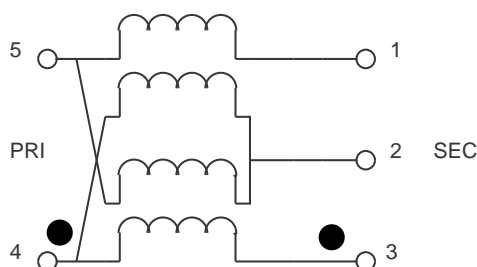
Features

- Surface Mount
- 4:1 Impedance Ratio
- CT on Secondary

Description

M/A-COM's ETC1.6-4-2-3 is a 4:1 RF transformer in a low-cost, surface mount package. Ideally suited for high volume cellular and wireless applications. Typical applications include single to balanced mode conversion and impedance matching.

Schematic



Specifications @ 25°C

Frequency Range: 500 - 2500 MHz

Parameter	Maximum	Mean (x)	Sigma (σ)
Insertion Loss ($f_L - f_U$)			
500 - 750 MHz	3.0 dB	—	—
750 - 1200 MHz	1.0 dB	0.22 dB	0.159
1200 - 2500 MHz	3.0 dB	—	—

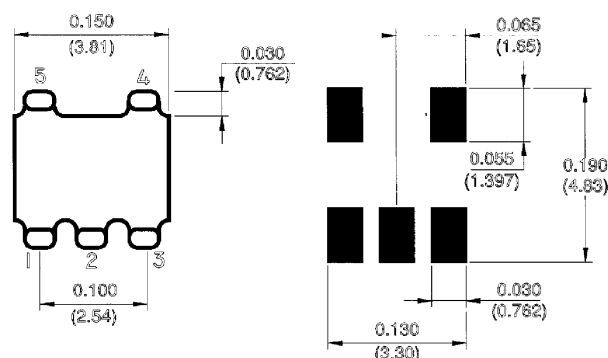
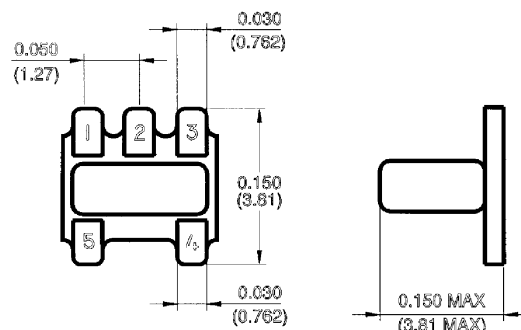
Note: Mean and sigma calculated from average loss at @ $(f_U - f_L)/2 + f_L$.

Ordering Information

Part No.
ETC1.6-4-2-3
ETC1.6-4-2-3TR

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
2	Secondary CT
3	Secondary dot
4	Primary dot
5	Primary

S 0206 F

M/A-COM, Inc.

Specifications Subject to Change Without Notice.

North America: Tel. (800) 366-2266
Fax (800) 618-8883

■ Asia/Pacific: Tel. +81 (03) 3226-1671
Fax +81 (03) 3226-1451

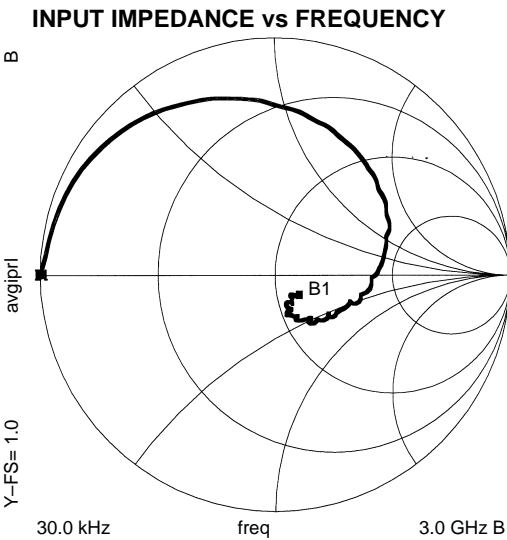
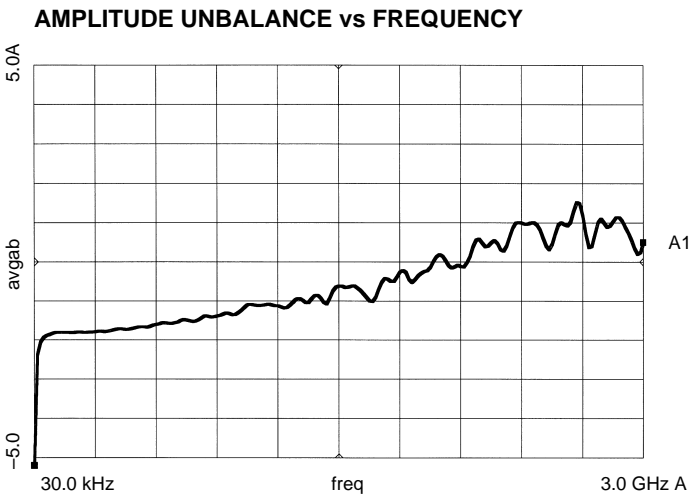
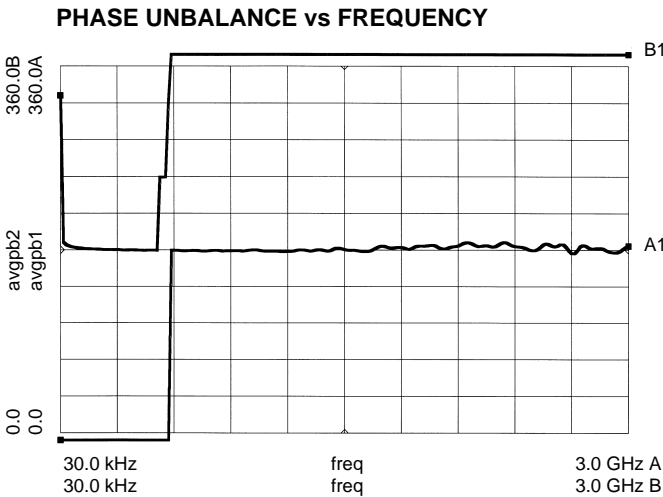
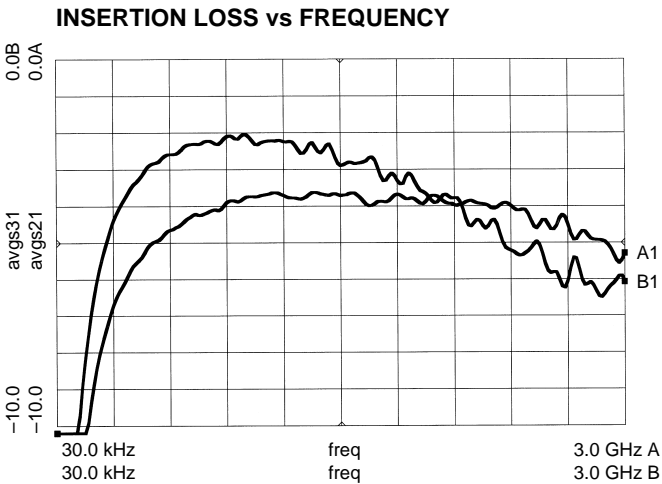
■ Europe: Tel. +44 (1344) 869 595
Fax +44 (1344) 300 020

Absolute Maximum Ratings

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

Typical Performance

Over Extended Bandwidth (30 kHz - 3 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.