

E-Series RF 3:1 Transformer

200 - 400 MHz

ET3-1T-3

V3.00

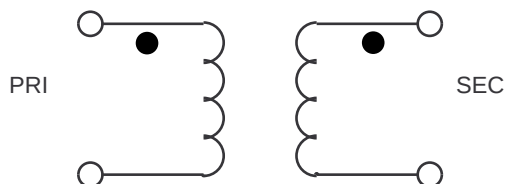
Features

- Surface Mount
- 3:1 Impedance Ratio

Description

M/A-COM's ET3-1T-3 is a 3:1 RF transformer in a low-cost, surface mount package. Ideally suited for high volume cellular and wireless applications. Typical applications include impedance matching.

Schematic



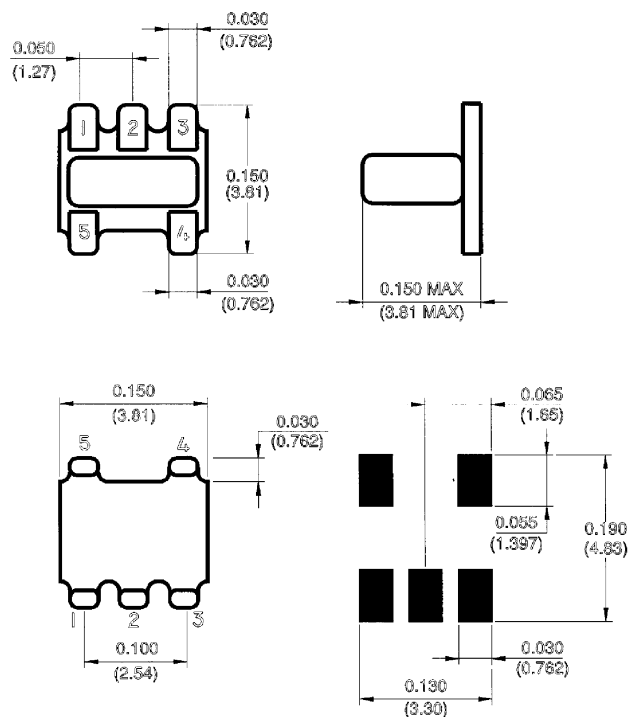
Specifications @ 25°C

Frequency Range: 200 - 400 MHz

Parameter	Maximum	Mean (x)	Sigma (σ)
Insertion Loss ($f_L - f_U$)			
240 - 400 MHz	1.5 dB	0.70 dB	0.041
200 - 240 MHz	2.0 dB	—	—

Note: Mean and sigma calculated at @ 300 MHz

SM-22



Ordering Information

Part No.
ET3-1T-3
ET3-1T-3TR

Packaging
Tubes
Tape & Reel

Pin Configuration

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

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Specifications Subject to Change Without Notice.

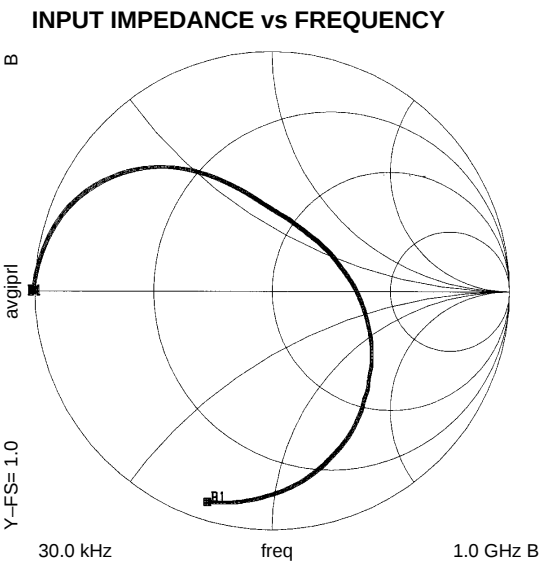
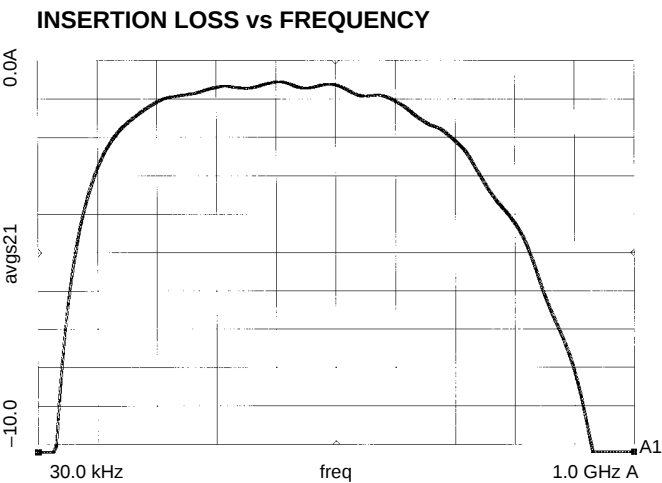
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Absolute Maximum Ratings

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

Typical Performance

Over Extended Bandwidth (30 kHz - 1 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.