

E-Series Plug-In Mixer

0.1 - 250 MHz

EMT-3H

V3.00

Features

- LO Power: +17 dBm
- Up to +14 dBm RF

Specifications @ 25°C

Frequency Range		
RF		0.1 - 250 MHz
LO		0.1 - 250 MHz
IF		DC - 250 MHz
Conversion Loss (dB)	Typical	Maximum
0.2 - 125 MHz	5.0	7.0
0.1 - 250 MHz	6.0	8.5
Isolation (dB)	Typical	Minimum
LO to RF		
0.1 - 1 MHz	50	45
1 - 125 MHz	40	30
125 - 250 MHz	28	23
LO to IF		
0.1 - 1 MHz	45	40
1 - 125 MHz	35	25
125 - 250 MHz	26	20

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+ 14 dBm

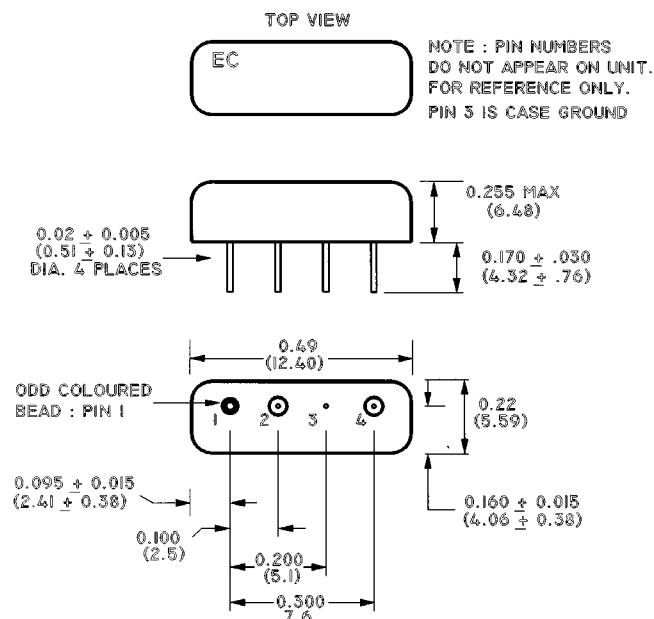
Ordering Information

Part No.	Packaging
EMT-3H	Tube

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	200 mW
Peak IF Current	40 mA
Storage Temperature	-55°C to 100°C
Operating Temperature	-55°C to 100°C
Pin Temperature (10 Seconds)	260°C

R-3



Dimensions in () are in mm.
 Unless Otherwise Noted: .x = ±0.04 (1.00)
 .xx = ±0.02 (0.50)
 .xxx = ±0.010 (0.250)
 WEIGHT (APPROX.): 0.05 OUNCES 1.5 GRAMS

Pin Configuration

Function	Pin No.
LO	4
RF	1
IF	2
Ground	3
Case Ground	3

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Specifications Subject to Change Without Notice.

M/A-COM, Inc.

North America: Tel. (800) 366-2266 ■ Asia/Pacific: Tel. +81 (03) 3226-1671 ■ Europe: Tel. +44 (1344) 869 595
 Fax (800) 618-8883 Fax +81 (03) 3226-1451 Fax +44 (1344) 300 020