

E-Series Plug-In Mixer

1 - 250 MHz

EMT-3MH

V3.00

Features

- LO Power: +13 dBm
- Up to +9 dBm RF

Specifications @ 25°C

Frequency Range		
RF		1 - 250 MHz
LO		1 - 250 MHz
IF		DC - 250 MHz
Conversion Loss (dB)		
2 - 125 MHz	Typical 5.0	Maximum 7.0
1 - 250 MHz	6.0	8.5
Isolation (dB)		
LO to RF	Typical	Minimum
1 - 10 MHz	50	45
10 - 125 MHz	40	30
125 - 250 MHz	28	23
LO to IF		
1 - 10 MHz	45	40
10 - 125 MHz	35	25
125 - 250 MHz	26	20

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+9 dBm

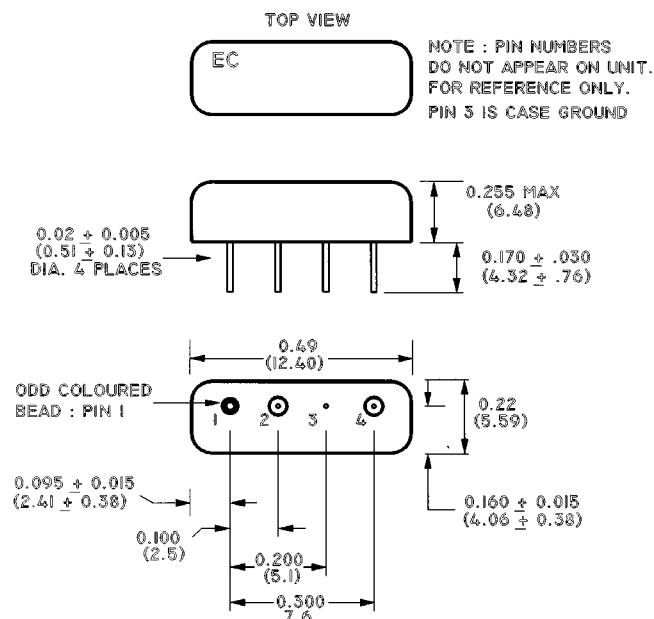
Ordering Information

Part No.	Packaging
EMT-3MH	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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