

E-Series Plug-In Mixer

2 - 500 MHz

EMT-1MH

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		2 - 500 MHz
LO		2 - 500 MHz
IF		DC - 500 MHz
Conversion Loss (dB)	Typical	Maximum
4 - 250 MHz	6.0	7.5
2 - 500 MHz	7.0	8.5
Isolation (dB)	Typical	Minimum
LO to RF		
2 - 20 MHz	50	45
20 - 250 MHz	40	30
250 - 500 MHz	30	20
LO to IF		
2 - 20 MHz	45	40
20 - 250 MHz	35	25
250 - 500 MHz	25	20

Operating Characteristics

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

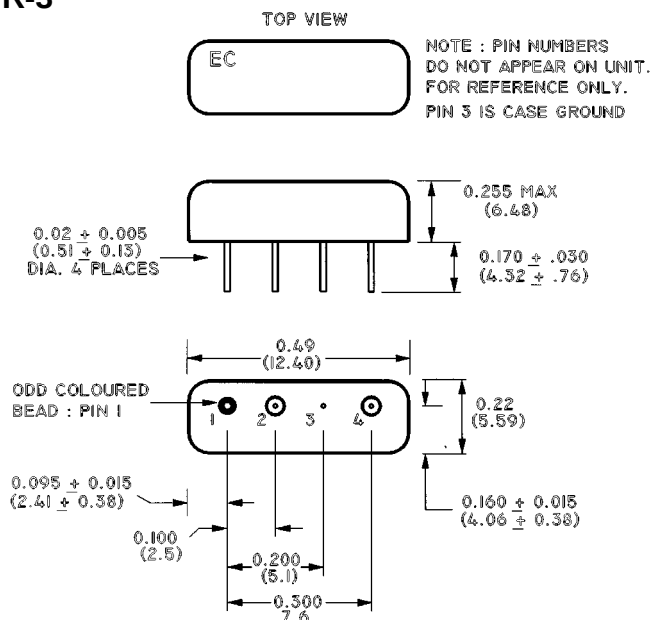
Ordering Information

Part No.	Packaging
EMT-1MH	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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