

E-Series Plug-In Mixer

1 - 1000 MHz

EMT-2L

V3.00

Features

- LO Power: +3 dBm
- Up to -1 dBm RF

Specifications @ 25°C

Frequency Range		
RF		1 - 1000 MHz
LO		1 - 1000 MHz
IF		DC - 1000 MHz
Conversion Loss (dB)	Typical	Maximum
2 - 500 MHz	6.0	7.5
1 - 1000 MHz	7.0	8.5
Isolation (dB)	Typical	Minimum
LO to RF		
1 - 10 MHz	50	45
10 - 500 MHz	40	25
500 - 1000 MHz	30	25
LO to IF		
1 - 10 MHz	45	40
10 - 500 MHz	35	25
500 - 1000 MHz	25	20

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	-1 dBm

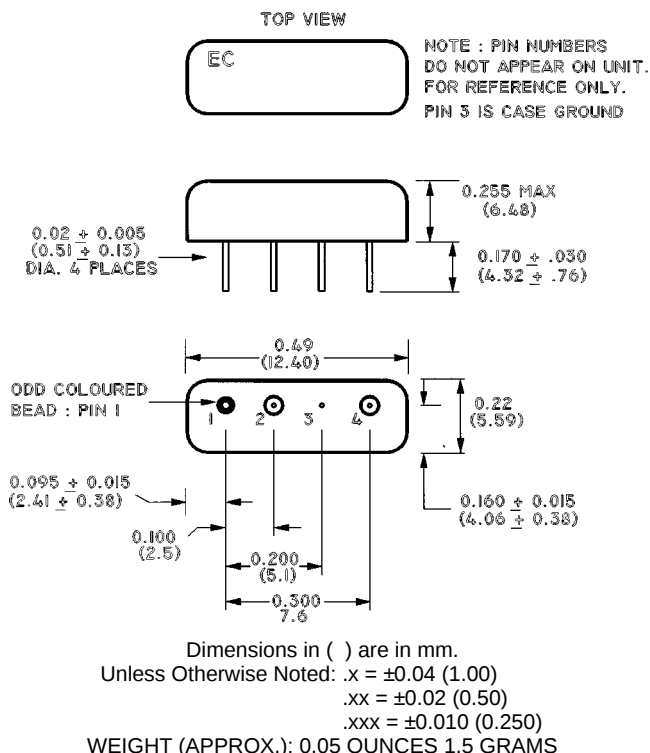
Ordering Information

Part No.	Packaging
EMT-2L	Tube

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	50 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



Pin Configuration

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

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