

E-Series Plug-In Mixer

5 - 1000 MHz

EMT-2H

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		5 - 1000 MHz
LO		5 - 1000 MHz
IF		DC - 1000 MHz
Conversion Loss (dB)	Typical	Maximum
10 - 500 MHz	6.2	7.0
5 - 1000 MHz	7.0	10.0
Isolation (dB)	Typical	Minimum
LO to RF		
5 - 50 MHz	50	45
50 - 500 MHz	40	30
500 - 1000 MHz	30	20
LO to IF		
5 - 50 MHz	45	40
50 - 500 MHz	35	25
500 - 1000 MHz	25	17

Operating Characteristics

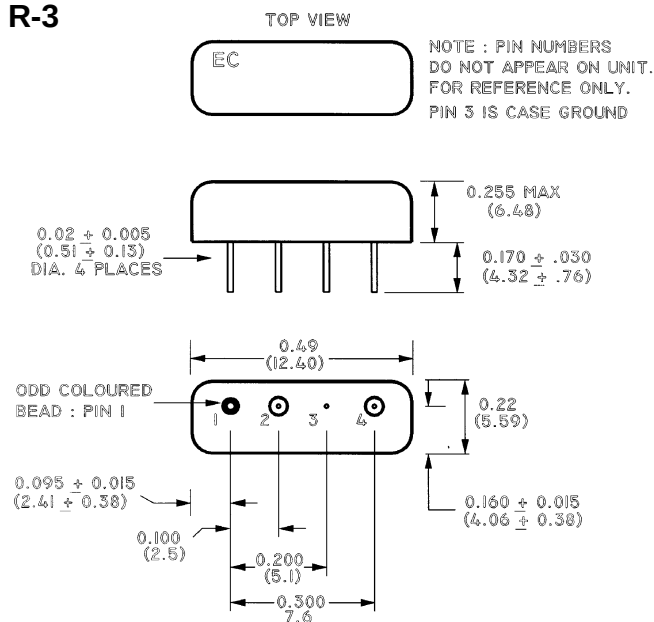
Impedance	50 Ohms Nominal
RF input for 1dB Compression	+14 dBm

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

Note: Units shipped in tubes.

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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