

E-Series Plug-In Mixer

10 - 4200 MHz

EMT-42MH

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		10 - 4200 MHz
LO		10 - 4200 MHz
IF		10 - 1000 MHz
Conversion Loss (dB)		
20 - 2100 MHz	Typical 7.3	Maximum 8.5
10 - 4200 MHz	7.5	11.0
Isolation (dB)		
LO to RF	Typical	Minimum
10 - 100 MHz	35	25
100 - 2100 MHz	40	25
2100 - 4200 MHz	35	25
LO to IF		
10 - 100 MHz	35	20
100 - 2100 MHz	35	25
2100 - 4200 MHz	27	20

Operating Characteristics

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

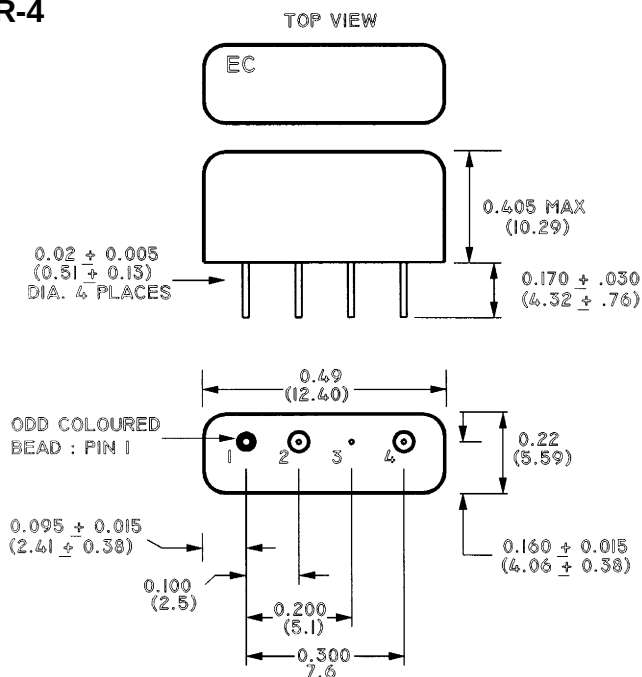
Ordering Information

Part No.	Packaging
EMT-42MH	Tube
EMT-42MHTR	Forward Tape & Reel

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-4



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.): 0.04 OUNCES 1.3 GRAMS

Pin Configuration

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

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