



E-Series Plug-In Mixer

0.1 – 250 MHz

EMT-3H

Features

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

Specifications @ 25°C

Frequency Range		
RF, LO		0.1–250 MHz
IF		DC–250 MHz
Conversion Loss		
1–125 MHz	5.0 dB Typ	7.0 dB Max
0.1–250 MHz	6.0 dB Typ	8.5 dB Max
Isolation		
LO to RF		
0.1–1 MHz	50 dB Typ	45 dB Min
1–125 MHz	40 dB Typ	30 dB Min
125–250 MHz	28 dB Typ	23 dB Min
LO to IF		
0.1–1 MHz	45 dB Typ	40 dB Min
1–125 MHz	35 dB Typ	25 dB Min
125–250 MHz	26 dB Typ	20 dB Min

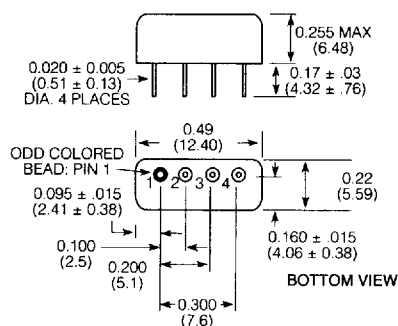
Operating Characteristics

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

Absolute Maximum Ratings

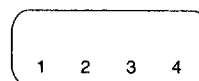
Parameter	Absolute Maximum
RF Power	200 mW
Peak IF Current	40 mA
Operating/Storage Temp.	-55 °C to +100 °C
Pin Temperature (10 sec.)	+260 °C

R-3



WEIGHT (APPROX.): 0.05 OUNCES 1.5 GRAMS

Pin Configuration (Top View)



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

Specifications Subject to Change Without Notice

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