



E-Series Plug-In Mixer

5 – 1000 MHz

EMT-2H

Features

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

Specifications @ 25°C

Frequency Range	
RF, LO	5–1000 MHz
IF	DC–1000 MHz

Conversion Loss		
10–500 MHz	6.2 dBm Typ	7.0 dBm Max
5–1000 MHz	7.0 dBm Typ	10.0 dBm Max

Isolation		
LO to RF		
5–50 MHz	50 dBm Typ	45 dBm Min
50–500 MHz	40 dBm Typ	30 dBm Min
500–1000 MHz	30 dBm Typ	20 dBm Min
LO to IF		
5–50 MHz	45 dBm Typ	40 dBm Min
50–500 MHz	35 dBm Typ	25 dBm Min
500–1000 MHz	25 dBm Typ	17 dBm Min

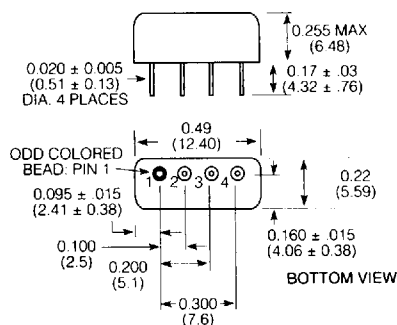
Operating Characteristics

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

Absolute Maximum Ratings

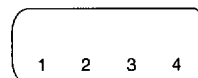
Parameter	Absolute Maximum
RF Power	200 mW
Peak IF Current	40 mA
Operating/Storage Temp.	-55 °C to +100 °C
Pin Temperature (10 sec.)	+260 °C

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

M/A-COM Inc. ■ 1011 Pawtucket Boulevard, Lowell, MA 01853 USA

Telephone: 800-366-2266