



# E-Series Plug-In Mixer

## 5 – 1500 MHz

**EMT-5**

### Features

- +7 dBm LO Power
- Up to +1 dBm RF

### Specifications @ 25°C

Frequency Range		
RF, LO	5–1500 MHz	
IF	DC–1000 MHz	
Conversion Loss		
50–750 MHz	6.5 dB Typ	8.5 dB Max
5–1500 MHz	8.0 dB Typ	9.5 dB Max
Isolation		
LO to RF		
5–50 MHz	60 dB Typ	45 dB
50–750 MHz	35 dB Typ	25 dB
750–1500 MHz	30 dB Typ	25 dB
LO to IF		
5–50 MHz	60 dB Typ	40 dB
50–750 MHz	35 dB Typ	15 dB
750–1500 MHz	25 dB Typ	14 dB

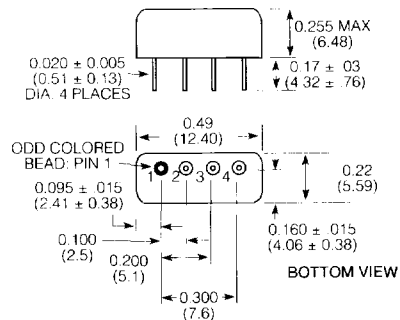
### Operating Characteristics

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

### Absolute Maximum Ratings

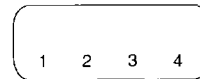
Parameter	Absolute Maximum
RF Power	50 mW
Peak IF Current	40 mA
Operating/Storage Temp.	-55 °C to +100 °C
Pin Temperature (10 sec.)	+260 °C

### R-3



WEIGHT (APPROX.): 0.05 OUNCES 1.5 GRAMS

### Pin Configuration (Top View)



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

\* Pins must be externally connected together.

Specifications Subject to Change Without Notice

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