



E-Series Plug-In Mixer

5 – 1250 MHz

EMT-4

Features

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

Specifications @ 25°C

Frequency Range		
RF, LO	5–1250 MHz	
IF	DC–1250 MHz	

Conversion Loss		
50–625 MHz	6.0 dB Typ	7.5 dB Max
5–1250 MHz	7.5 dB Typ	8.5 dB Max

Isolation		
LO to RF		
5–50 MHz	50 dB Typ	45 dB Min
50–625 MHz	40 dB Typ	30 dB Min
625–1250 MHz	30 dB Typ	25 dB Min
LO to IF		
5–50 MHz	45 dB Typ	40 dB Min
50–625 MHz	35 dB Typ	30 dB Min
625–1250 MHz	25 dB Typ	20 dB Min

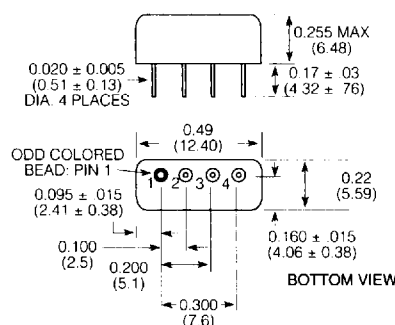
Operating Characteristics

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

Absolute Maximum Ratings

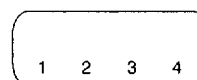
Parameter	Absolute Maximum
RF Power	50 mW
Peak IF Current	40 mA
Operating/Storage Temp.	-55 °C to +100 °C
Pin Temperature (10 sec.)	+260 °C

R-3



WEIGHT (APPROX.): 0.05 OUNCES 1.5 GRAMS

Pin Configuration (Top View)



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

Specifications Subject to Change Without Notice

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