



E-Series Plug-In Mixer

5 – 1250 MHz

EMT-4

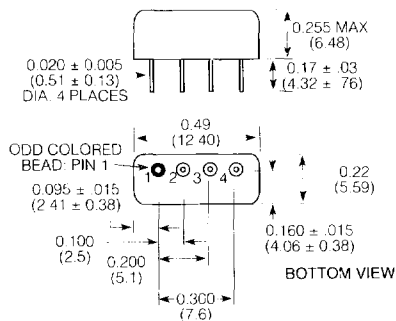
Features

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

Specifications @ 25°C

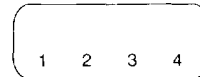
| | | |
|-----------------|-------------|------------|
| Frequency Range | 5–1250 MHz | |
| RF, LO | DC–1250 MHz | |
| IF | DC–1250 MHz | |
| Conversion Loss | | |
| 50–625 MHz | 6.0 dB Typ | 7.5 dB Max |
| 5–1250 MHz | 7.5 dB Typ | 8.5 dB Max |
| Isolation | | |
| LO to RF | | |
| 5–50 MHz | 50 dB Typ | 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 |

R-3



WEIGHT (APPROX.): 0.05 OUNCES 1.5 GRAMS

Pin Configuration (Top View)



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 |

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

Specifications Subject to Change Without Notice

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