

## 10 to 2000 MHz

## LRFMS-5-RM6

The LRFMS-5 is a broad band double balanced mixer designed for applications requiring good conversion loss and LO Isolation. This part uses our industry standard stress relieved package.

### Specifications

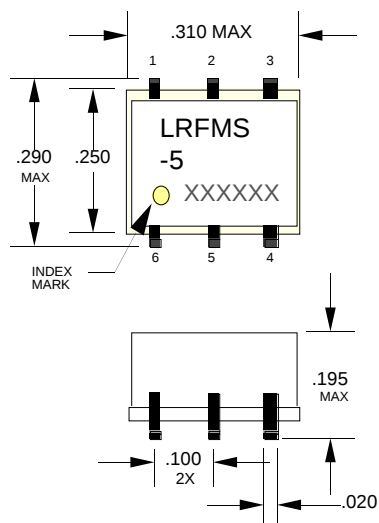
LO=+7dBm Input ( RF ) = -10 dBm Tc = +25°C

| Parameter                     | Unit | Min | Typical | Max  |
|-------------------------------|------|-----|---------|------|
| Frequency Range, RF & LO      | MHz  | 10  | ---     | 2000 |
| Frequency Range, IF           | MHz  | 20  | ---     | 1000 |
| Conversion loss               | dB   | -   | 6.75    | 9.8  |
| LO - RF Isolation 10 - 100    | dB   | 40  | 50      | -    |
| LO - RF Isolation 100-1000    | dB   | 30  | 38      | -    |
| LO - RF Isolation 1000 -2000  | dB   | 20  | 27      | -    |
| LO - IF Isolation 10 - 100    | dB   | 30  | 45      | -    |
| LO - IF Isolation 100 - 1000  | dB   | 25  | 27      | -    |
| LO - IF Isolation 1000 - 2500 | dB   | 18  | 20      | -    |

### Absolute Maximum Ratings

| Parameter             | Maximum        |
|-----------------------|----------------|
| RF Power              | +17 dBm        |
| Operating Temperature | -20 to +85 °C  |
| Storage Temperature   | -55 to +100 °C |
| Reflow Temperature    | 240 °C         |

1. Specifications guaranteed in a 50 ohm test system.
2. Specifications guaranteed as down conversion.
3. Typical performance values are not guaranteed.
4. All specifications subject to change.



| Function | Pin   |
|----------|-------|
| LO       | 1     |
| RF       | 4     |
| IF       | 5     |
| GROUND   | 2,3,6 |

Dimensions shown in inches

