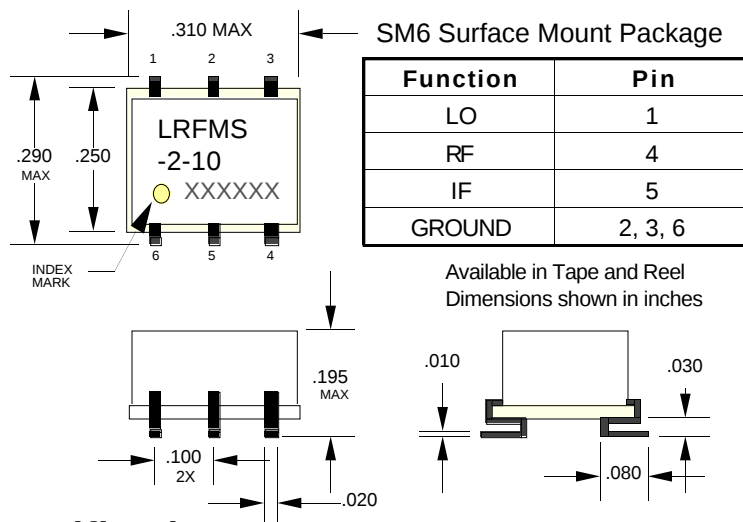


# Surface Mount Mixer 5 to 1000 MHz

## LRFMS-2-10

The LRFMS-2-10 is a broad band mixer designed for RF and IF conversion applications. These parts feature low conversion loss, good isolation and uses our industry standard stress relieved package with , FLEX-RAP™ , leads for maximum reliability.

### Part Order Number: LRFMS-2-10-SM6



### Specifications

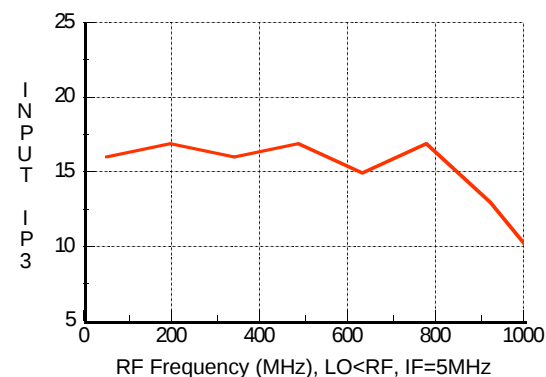
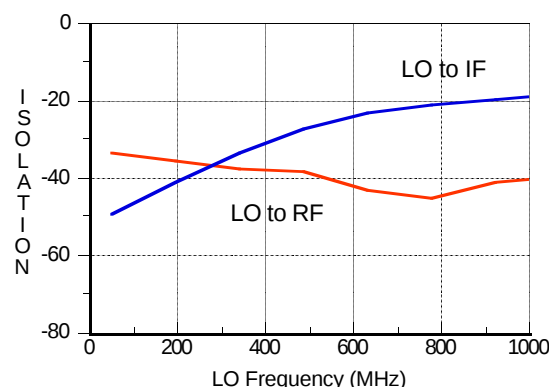
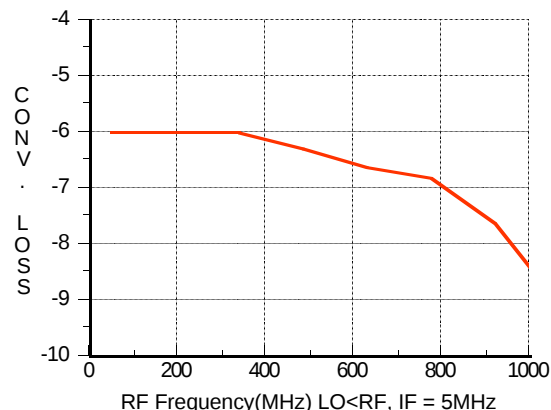
LO=+10 dBm Input (RF) = -10dBm Tc=+25°C

| Parameter                     | unit | Min | Typical | Max  |
|-------------------------------|------|-----|---------|------|
| Frequency Range, RF & LO      | MHz  | 5   | ---     | 1000 |
| Frequency Range, IF           | MHz  | DC  | ---     | 1000 |
| Conversion Loss               | dB   | -   | 6.5     | 9    |
| LO to RF Isolation 10 - 50    | dB   | 30  | 33      | -    |
| LO to RF Isolation 50 - 500   | dB   | 27  | 35      | -    |
| LO to RF Isolation 500 - 1000 | dB   | 22  | 39      | -    |
| LO to IF Isolation 10 - 50    | dB   | 35  | 49      | -    |
| LO to IF Isolation 50 - 500   | dB   | 22  | 27      | -    |
| LO to IF Isolation 500 - 1000 | dB   | 17  | 20      | -    |

### Absolute Maximum Ratings

| Parameter             | Maximum        |
|-----------------------|----------------|
| RF Power              | +17 dBm        |
| Operating Temperature | -20 to +85 °C  |
| Storage Temperature   | -55 to +100 °C |
| Reflow Temperature    | 250 °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.



Contact Factory for special applications.

*This document describes the product information available at the time of printing.*

\*BLUE CELL is a Patented Process of RF Prime and a registered trademark: U.S. Patent Numbers 5,534,830 ; 5,640,132; 5,640,134 ; 5,640,699 Issue (7/97) cnj

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