



## Leaded Surface Mount Mixer 2000–3000 MHz

RFMT-25

### Description

The RFMT-25 double-balanced mixer uses RF Prime's new planar technology, BLUE CELL™. This mixer has an exceptionally low profile, leaded surface mount package, FLEX-RAP, and due to the advanced technology, a very low price. This mixer is compatible with PCMCIA cards type 1, 2, 3.

All BLUE CELL mixers are available in Low (RFMT-25), Medium (RFMT-25M), and High (RFMT-25H) diode barrier versions.

### Features

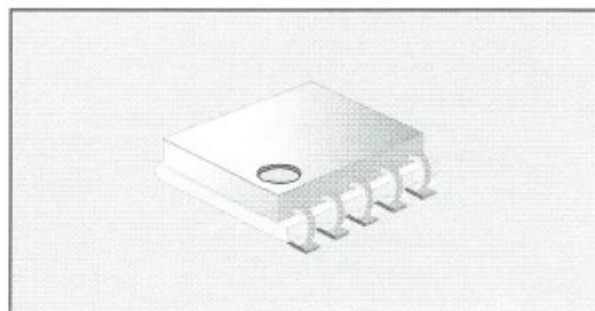
- LO Input 0 to +7 dBm Nominal
- Conversion Loss Up or Down, 6.5 dB (typ)
- Ultra-Low Profile .090 in. (2.286 mm)
- FLEX-RAP Stress Relieved Leaded Package
- PCMCIA Compatible

### Specifications, $T_A = 25^\circ\text{C}$ Test Conditions = +4 dBm LO

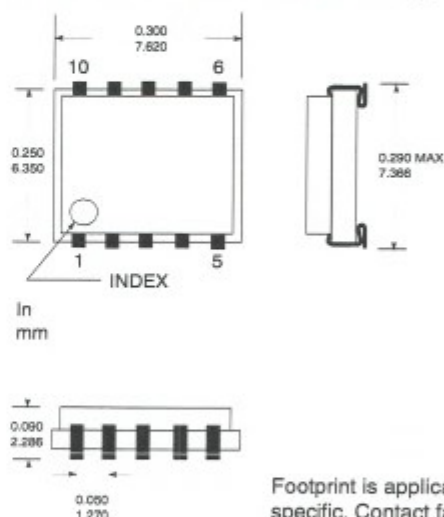
Frequency Range	2000–3000 MHz	
RF, LO	2000–3000 MHz	
IF	DC–1000 MHz	
Conversion Loss 2000–3000 MHz	Typical 6.5 dB	Maximum 8.0 dB
Isolation	Typical	Minimum
LO to RF 2000–3000 MHz	26 dB	20 dB
LO to IF 2000–3000 MHz	17 dB	12 dB

### Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	+23 dBm
Operating/Storage Temp.	-55 to +100°C
Maximum Temperature (10 sec.)	+260°C



### SM10 Stress Relieved Leaded Package



Footprint is application specific. Contact factory.

### Pin Connections

Function	Pin Number
LO	10
RF	5
IF	3
Ground	1, 2, 4, 6, 7, 8, 9

### Typical Performance Graphs

See next page.

\* Patent Pending

Specifications subject to change without notice. (7/95)