



Leaded Surface Mount Mixer 1200–2000 MHz

RFMT-15

Description

The RFMT-15 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-15), Medium (RFMT-15M), and High (RFMT-15H) diode barrier versions.

Features

- LO Input +4 dBm Nominal¹
- Typical Input IP3 = +10 dBm (LO @ +4 dBm)
- Conversion Loss Up or Down, 6.0 dB (typ)
- Ultra-Low Profile .090 in. (2.286 mm)
- FLEX-RAP Stress Relieved Leaded Package
- PCMCIA Compatible

Specifications, T_A = 25°C Test Conditions = +4 dBm LO

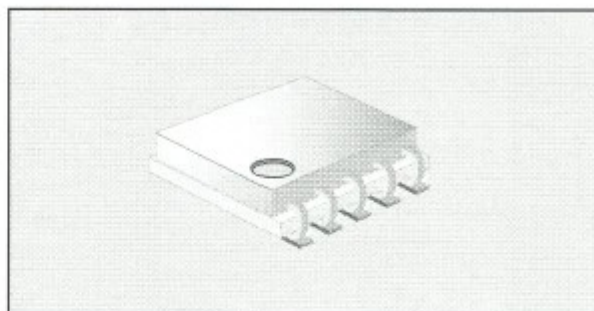
Frequency Range	1200–2000 MHz	
RF, LO	1200–2000 MHz	
IF	DC–600 MHz	
Conversion Loss	Typical	Maximum
1200–1600 MHz	6.0 dB	8.0 dB
1400–2000 MHz	6.0 dB	7.0 dB
Isolation	Typical	Minimum
LO to RF		
1200–1600 MHz	25 dB	20 dB
1400–2000 MHz	25 dB	22 dB
LO to IF		
1200–1600 MHz	15 dB	12 dB
1400–2000 MHz	25 dB	20 dB

Absolute Maximum Ratings

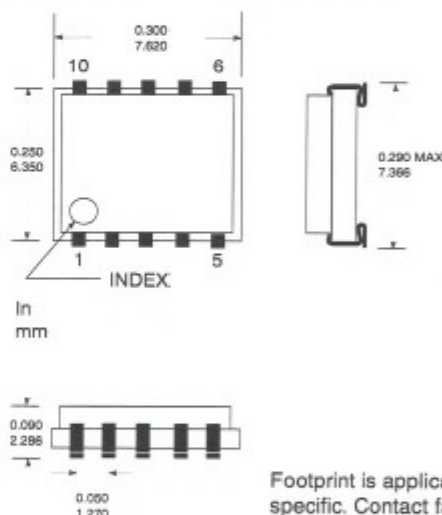
Parameter	Absolute Maximum
RF Power	+23 dBm
Operating/Storage Temp.	-55 to +100°C
Maximum Temperature (10 sec.)	+260°C

* Patent Pending

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



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.