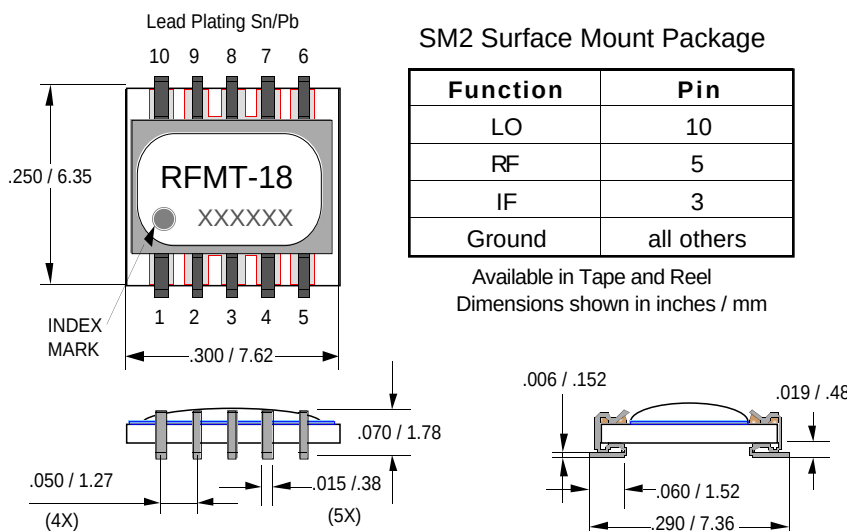


Surface Mount Mixer 1400-2200 MHz

RFMT-18

The RFMT-18 is a LO efficient double balanced mixer, implemented using the patented BLUE CELL™ process. These devices are a broad band design for DCS/PCS systems. The low profile package is compatible with PMCIA cards type 1,2,3. The planar construction and automated assembly of these mixers makes for very repeatable performance at a low price.

Part Order Number: RFMT-18-SM2



Specifications

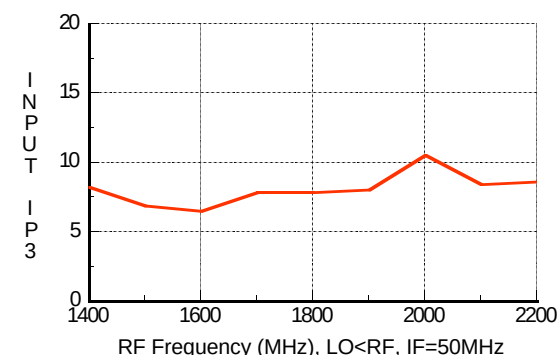
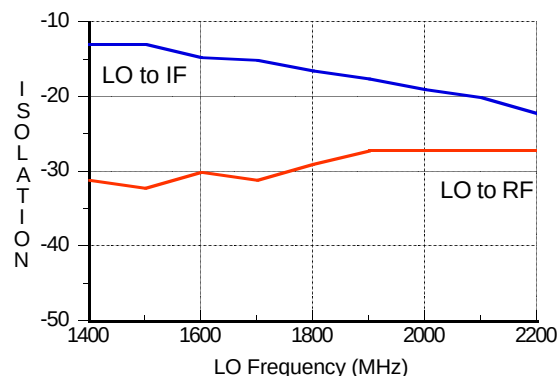
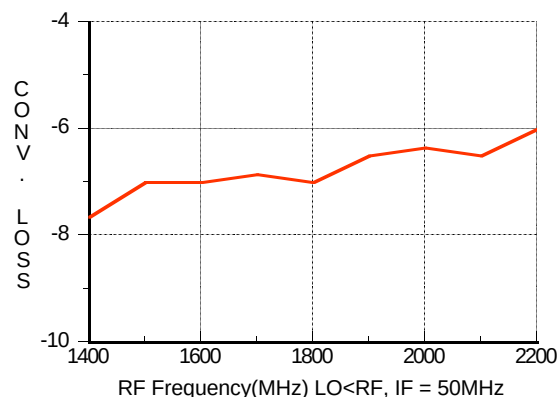
LO=+4 dBm Input (RF) = -10dBm Tc=+25°C

Parameter	unit	Min	Typical	Max
Frequency Range, RF & LO	MHz	1400	---	2200
Frequency Range, IF	MHz	DC	---	800
Conversion loss	dB	-	6.5	8.5
LO to RF Isolation	dB	20	27	-
LO to IF Isolation	dB	10	16	-
Input Third Order Intercept Pt.	dBm	-	8	-
-1 dB Input Compression Point	dBm	-	1	-

Absolute Maximum Ratings

Parameter	Maximum
RF Power	+20 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.



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

RF Prime Corporation • 10561 Old Placerville Rd. • Sacramento, CA 95827 • PHONE: 800-878-4669 • FAX: 916-368-4401

Find price and stock options from leading distributors for RFMT-18-SM2 on Findchips.com:

<https://findchips.com/search/RFMT-18-SM2>

Find CAD models and details for this part:

<https://findchips.com/detail/rfmt-18-sm2/Mini--Circuits>