



Leaded Surface Mount Mixer 800-2500 MHz

RFMT-12

Description

The RFMT-12 double-balanced mixer uses RF Prime's new planar technology, BLUE CELL™. This mixer has an exceptionally low profile, broadband performance, and due to the advanced technology, a very low price. This mixer is compatible with PCMCIA cards with a package profile as low as 0.075".

All BLUE CELL™ mixers are also available in Medium (RFMT-12M) and High (RFMT-12H) diode barrier versions.

Features

- Typical Input IP3 with LO@ +7 dBm = 13dBm
- Broadband Performance 800-2500 MHz
- Conversion Loss up or down, 7.5 dB (typ)
- FLEX-RAP Stress Relieved Leaded Package
- PCMCIA Compatible

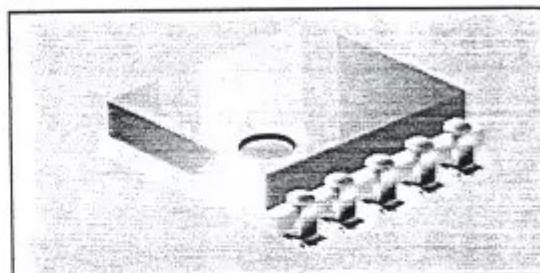
Specifications, $T_A = 25^\circ\text{C}$ Test Conditions= +7 dBm LO

Frequency Range		
RF, LO	800-2500 MHz	
IF	DC-500 MHz	
Conversion Loss	Typical	Maximum
800-2500 MHz	7.5 dB	9.0 dB
Isolation	Typical	Minimum
LO to RF		
800-2500 MHz	25 dB	20 dB
LO to IF		
800-2500 MHz	14 dB	10 dB

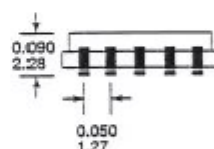
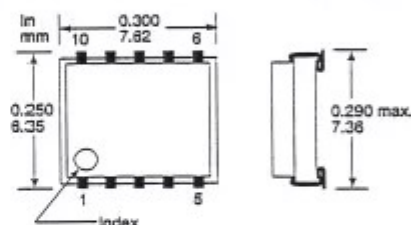
Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	+23 dBm
Operating/Storage Temp.	-55 to +100°C
Pin Temperature (10 sec.)	+250°C ¹

¹As per specifications in installation drawing



SM10 Stress Relieved Leaded Package



Footprint is application specific. Contact factory.

Pin Connections

Function	Pin Number
LO	10
RF	5
IF	3
Ground	1,4,7,8,9
No Connect	2,6