MAMXES0006

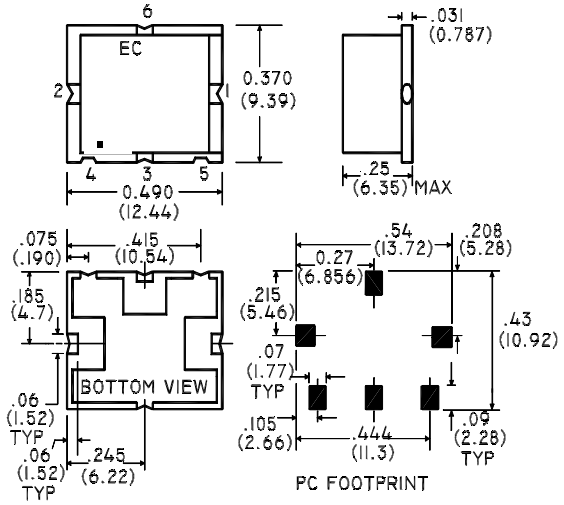
E-Series Surface Mount Mixer
1805-1990 MHz

Features

- LO Power +7 dBm
- Up to +1 dBm RF
- Surface Mount



SM-2 Package



Description

M/A-COM's MAMXES0006 is a Low Cost, Broadband, high performance Double Balanced Mixer designed for use in high volume wireless applications. The device has been optimised by careful selection of the Schottky Diode and Balun Transformer for excellent performance. MAMXES0006 is available in an SM-2 surface mount package and reflows using standard

Electrical Specifications @ +25°C

Parameter		Units	Minimum	Typical	Maximum
Frequency Range	RF 1805-1990 MHz LO 1597-1782 MHz IF 208 MHz @ -10dBm				
Conversion Loss	1805-1990 MHz	dB	—	7.0	10.0
L - R Isolation	1597-1782 MHz	dB	28.0	32.0	—
L - I Isolation	1597-1782 MHz	dB	30.0	37.0	—
Input 1dB Compression		dBm	—	+1.0	—
Spurious Products 9*IF 2*LO- 7*IF		 dBc dBc	 90.0 90.0	 — —	 — —

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Specifications subject to change without notice.

Absolute Maximum Ratings

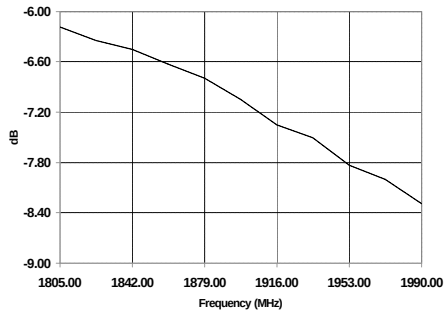
Parameter	Absolute Maximum
RF Input Power	50 mW
Peak IF Current	40mA
Operating/Storage Temperature	-55°C to +100°C

Pin Configuration

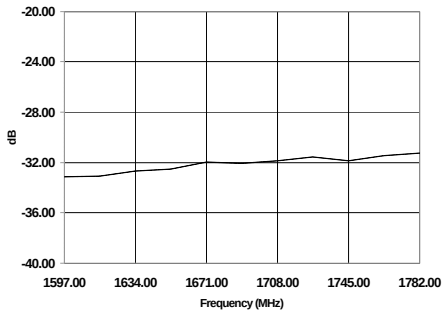
Function	Pin No.
RF	1
LO	2
IF	3
Ground	4,5,6

Typical Performance @ +25°C

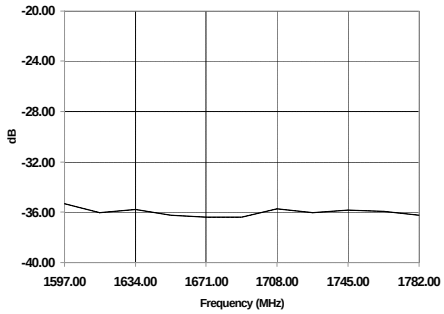
Conversion Loss



L-R Isolation



L-I Isolation



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Specifications subject to change without notice.