

## Features

- Wideband: Frequency Range 2-500MHz
- Low conversion loss 6.5dB (typical)
- LO drive: +10dBm
- Industry standard surface mount package: S06
- Low cost

## Description

The MXA-0502 series are double-balanced mixers designed for high frequency low conversion loss both up and down transceiver applications. Construction uses an industry standard surface mount package.

## Specifications

**Frequency Range: RF/LO 2-500MHz, IF 2-500MHz**

**Test Conditions: RF input -10dBm / LO +10dBm / IF 30MHz / Temp. +25°C**

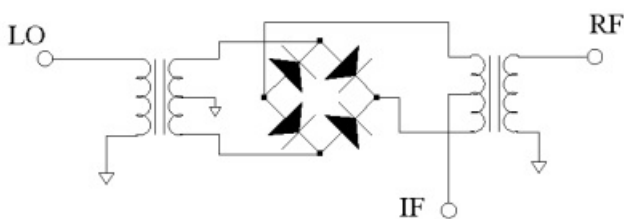
Parameter	Min.	Typ.	Max.	Notes
<b>Conversion Loss(dB)</b> 2-500 MHz		6.5	8	1.Specifications and information are subject to change without notice. 2.IIP3 is typical, not guaranteed 3.Package information see Package Page
L-R Isolation(dB) 2-500 MHz	30	40		
L-I Isolation(dB) 2-500 MHz	25	30		
IIP3(dBm)		16		



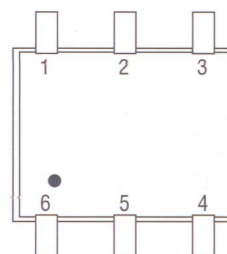
## Absolute Maximum Ratings

Parameter	Max
RF input power	+17dBm
Operating Temp.(°C)	-50°C~+80°C
Storage Temp.(°C)	-65°C~+100°C
Reflow Temp (°C)	+240°C

## Schematic



## Pin functions



<b>LO</b>	<b>Pin1</b>
<b>RF</b>	<b>Pin4</b>
<b>IF</b>	<b>Pin5</b>
<b>GND</b>	<b>Pin2,3,6</b>