

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

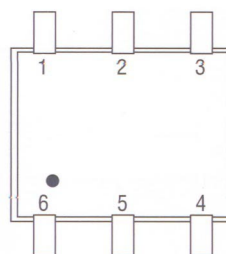
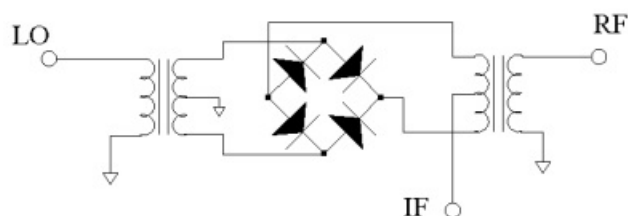
Parameter	Min.	Typ.	Max.	Notes
Conversion Loss(dB) 2-500 MHz		6.5	8	1.Specifications and information are subject to change without notice. 2.IIP3 is typical, not guaranteed 3.Package information see Package Page
L-R Isolation(dB) 2-500 MHz	30	40		
L-I Isolation(dB) 2-500 MHz	25	30		
IIP3(dBm)		16		



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

LO	Pin1
RF	Pin4
IF	Pin5
GND	Pin2,3,6