

Up/Down Conv Mixer 7GHz 4-Pin



Images are for reference only

[Inquiry](#)

Manufacturer: [MACOM Technology Solutions](#)

Package/Case: SOP8

Product Type: RF Integrated Circuits

Lifecycle: Active

General Description

The MC2307 is a double balanced mixer, designed for use in military, commercial and test equipment applications. The design utilizes Schottky ring quad diodes and broadband soft dielectric and ferrite baluns to attain excellent performance. This mixer can also be used as a phase detector and/or bi-phase modulator since the IF port is DC coupled to the diodes. The use of high temperature solder and welded assembly processes used internally makes it ideal for use in manual, semi-automated assembly. Environmental screening available to MIL-STD-883, MIL-STD-202, or MIL-DTL-28837, consult factory.

Key Features

LO 2.2 to 8.0 GHz

Microstrip Interface

IF DC to 2.0 GHz

RF 3.4 to 7.0 GHz

Lo Drive: +7 dBm (Nominal)

Aerospace and Defense

ISM

Application

Min Frequency, IF: 0 MHz

Input P1dB: 1 dBm

LO Drive: 7 dBm

Conversion Loss: 7 dB

Isolation LO-RF: 40 dB

Max Frequency, IF: 2,000 MHz

Max Frequency, IF: 2,000 MHz

Min Frequency, RF/LO: 2,200 MHz

Max Frequency, RF/LO: 8,000 MHz

Recommended For You

MC4507

MACOM Technology Solutions

BGA

MC4510

MACOM Technology Solutions

SOP-8L

MC2110

MACOM Technology Solutions

SOT23-5

MC2720

MACOM Technology Solutions

BGA

MC2707-2

MACOM Technology Solutions

BGA

MC4120

MACOM Technology Solutions

SMD

MC4513

MACOM Technology Solutions

DIP

MC4507-2

MACOM Technology Solutions

BGA

MC2707

MACOM Technology Solutions

BGA

MC4113

MACOM Technology Solutions

BGA

M4TH

MACOM Technology Solutions

TO-8

MASW-007107-TR3000

MACOM Technology Solutions

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