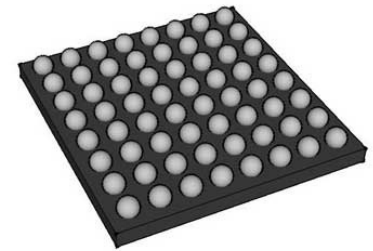


## Up/Down Conv Mixer 6GHz 3-Pin



Images are for reference only

[Inquiry](#)

**Manufacturer:** [MACOM Technology Solutions](#)

**Package/Case:** BGA

**Product Type:** RF Integrated Circuits

**Lifecycle:** Active

### General Description

The M8HC-7 (M8H-7) connectorized version 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 to 6 GHz

Lo Drive: +7 dBm (Nominal)

IF 0 to 2000 MHz

RF 2.4 to 6 GHz

Aerospace and Defense

ISM

### Application

Min Frequency, IF: 0 MHz

Input P1dB: 0 dBm

Conversion Loss: 6 dB

LO Drive: 7 dBm

Isolation LO-RF: 40 dB

Max Frequency, IF: 2,000 MHz

Max Frequency, IF: 2,000 MHz

Min Frequency, RF/LO: 2,400 MHz

Max Frequency, RF/LO: 6,000 MHz

### Recommended For You

**M4TH**

MACOM Technology Solutions

TO-8

**MASW-007107-TR3000**

MACOM Technology Solutions

PDFN-8

**AT-283-PIN**

MACOM Technology Solutions

CR-16

**MAAD-007086-000100**

MACOM Technology Solutions

SOP24

**MAAD-000523-TR1000**

MACOM Technology Solutions

QFN

**MAT10030**

MACOM Technology Solutions

SMD

**MAATSS0017**

MACOM Technology Solutions

SSOP16

**MAAVSS0007TR**

MACOM Technology Solutions

SOP-8

**MAT10010**

MACOM Technology Solutions

TSSOP

**MAATSS0015**

MACOM Technology Solutions

SOP16

**MAT10020**

MACOM Technology Solutions

SOP16

**MASW-000834-13560T**

MACOM Technology Solutions

QFN

**MASW-007921-TR3000**

MACOM Technology Solutions

PDFN8

**NPA1008**

MACOM Technology Solutions

QFN

**MA4SW210B-1**

MACOM Technology Solutions

SMD