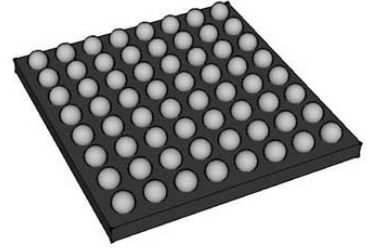


Up/Down Conv Mixer 20GHz 3-Pin



Images are for reference only

[Inquiry](#)

Manufacturer: [MACOM Technology Solutions](#)

Package/Case: BGA

Product Type: RF Integrated Circuits

Lifecycle: Active

General Description

The MC4507 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 & RF: 4.0 to 20.0 GHz
 Microstrip Interface
 Lo Drive: +7 dBm (Nominal)
 IF: DC to 4.0 GHz
 Aerospace and Defense
 ISM

Application

Min Frequency, IF: 0 MHz
 LO Drive: 7 dBm
 Conversion Loss: 7.5 dB
 Isolation LO-RF: 25 dB
 Max Frequency, IF: 4,000 MHz
 Min Frequency, RF/LO: 4,000 MHz
 Max Frequency, IF: 4,000 MHz
 Max Frequency, RF/LO: 20,000 MHz

Recommended For You

MC2307

MACOM Technology Solutions
SOP8

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
PDFN-8

AT-283-PIN

MACOM Technology Solutions
CR-16

MAAD-007086-000100

MACOM Technology Solutions
SOP24

MAAD-000523-TR1000

MACOM Technology Solutions
QFN