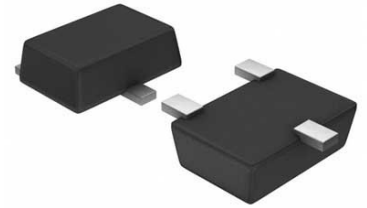


Open Carrier Double-Balanced Mixer For Microwave Telecommunications



Images are for reference only

Manufacturer: [MACOM Technology Solutions](#)

Package/Case: SOT23-5

Product Type: RF Integrated Circuits

Lifecycle: Active

[Inquiry](#)

General Description

The MC2110 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 3.4 to 4.7 GHz
- Microstrip Interface
- Lo Drive: +10 dBm (Nominal)
- IF DC to 1.0 GHz
- RF 3.4 to 4.7 GHz
- Aerospace and Defense
- ISM

Application

- Min Frequency, IF: 0 MHz
- Input P1dB: 3 dBm
- Conversion Loss: 6.2 dB
- LO Drive: 10 dBm
- Isolation LO-RF: 42 dB
- Max Frequency, IF: 1,000 MHz
- Max Frequency, IF: 1,000 MHz
- Min Frequency, RF/LO: 3,400 MHz
- Max Frequency, RF/LO: 4,700 MHz

Recommended For You

MC4507

MACOM Technology Solutions
BGA

MC2307

MACOM Technology Solutions
SOP8

MC4510

MACOM Technology Solutions
SOP-8L

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