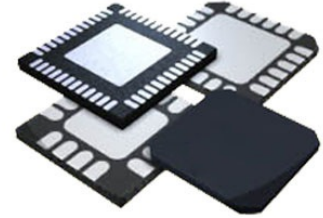


## Active Doubler 24-Pin QFN EP Bulk



Images are for reference only

[Inquiry](#)

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

**Package/Case:** QFN

**Product Type:** RF Integrated Circuits

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Unconfirmed

## General Description

MACOM's 2.5-6.0/5.0-12.0 GHz QFN activedoubler delivers + 16 dBm of output power. The device combines an active doubler with an outputbuffer amplifier that delivers constant power over range of input powers. The device has excellentrejection of the fundamental and harmonic productsand requires a single positive bias supply. This device uses MACOM's GaAs HBT devicetechnology to ensure high reliability and uniformity.The device comes in a low-cost 4x4 mm QFN Surface Mount Plastic Package offering excellent RFand thermal properties and is RoHS compliant. This device is well suited for Point-to-Point Radio, LMDS,SATCOM and VSAT applications.

## Key Features

- Octave Bandwidth Operation
- RoHS\* Compliant
- 260°C Reflow Compatible
- 100% RF, DC and Output Power Testing
- Lead-Free 4 mm 24-lead QFN Package
- LMDS
- SATCOM
- VSAT
- Wireless Networking and Communication

## Application

- Min Input Frequency: 2,500 MHz
- Max Input Frequency: 6,000 MHz
- Min Output Frequency: 5,000 MHz
- Max Output Frequency: 12,000 MHz
- Input Power: 0 dBm
- Multiply Factor: 2
- Conversion Loss: -15 dB
- Conversion Gain: 15 dB

## Recommended For You

**XX1000-QT-0G00**

MACOM Technology Solutions

BGA

**XX1000-BD**

MACOM Technology Solutions

SMD

**XX1000-BD-000V**

MACOM Technology Solutions

SMD

**XX1000-QT-0G0T**

MACOM Technology Solutions

QFN

**XX1010-QT-0G00**

MACOM Technology Solutions

QFN

**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

**MATI0030**

MACOM Technology Solutions

SMD

**MAATSS0017**

MACOM Technology Solutions

SSOP16

**MAAVSS0007TR**

MACOM Technology Solutions

SOP-8

**MATI0010**

MACOM Technology Solutions

TSSOP

**MAATSS0015**

MACOM Technology Solutions

SOP16