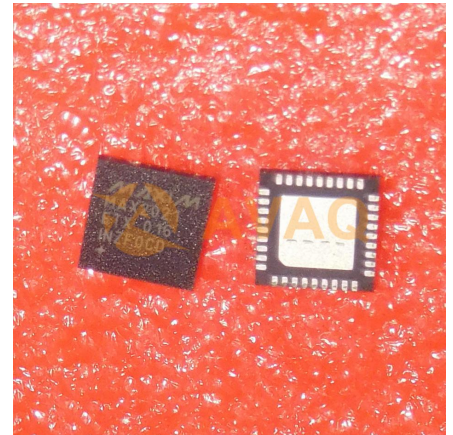


Quadrature Mod/Dmod 1.2GHz 36-Pin TQFN EP

Manufacturer:	<u>Maxim Integrated</u>
Package/Case:	QFN
Product Type:	RF Integrated Circuits
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

General Description

Application

In addition to offering excellent linearity and noise performance, the MAX2021 also yields a high level of component integration. This device includes two matched passive mixers for modulating or demodulating in-phase and quadrature signals, two LO mixer amplifier drivers, and an LO quadrature splitter. On-chip baluns are also integrated to allow for single-ended RF and LO connections. As an added feature, the baseband inputs have been matched to allow for direct interfacing to the transmit DAC, thereby eliminating the need for costly I/Q buffer amplifiers.

The MAX2021 operates from a single +5V supply. It is available in a compact 36-pin TQFN package (6mm x 6mm) with an exposed pad. Electrical performance is guaranteed over the extended -40°C to +85°C temperature range.

Applications

Cable Modem Termination Systems (CMTS)

Digital and Spread-Spectrum Communication Systems

Fixed Broadband Wireless Access

GSM 850/GSM 900 EDGE Base Stations

Microwave Links

Military Systems

Predistortion Transmitters and Receivers

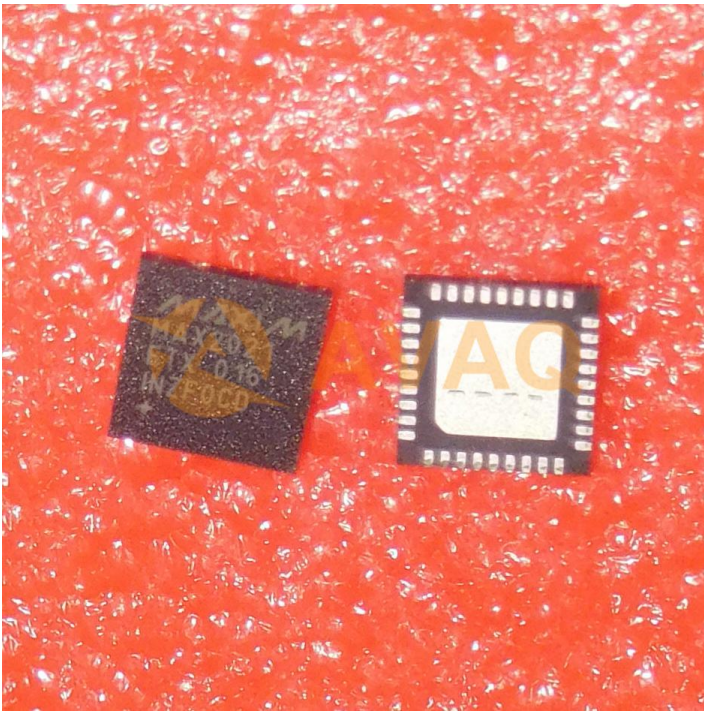
RFID Handheld and Portal Readers

Single and Multicarrier cdmaOne[®] and cdma2000[®] Base Stations

Single and Multicarrier WCDMA 850 Base Stations

Video-on-Demand (VOD) and DOCSIS[®] Compliant Edge QAM Modulation

WiMAX Transmitters and Receivers



Recommended For You

MAX2309EGI

Maxim Integrated

QFN

MAX2150EII

Maxim Integrated

QFN

MAX2608EUT

Maxim Integrated

SOT23-6

MAX2829EIN+

Maxim Integrated

QFN56

MAX2606EUT

Maxim Integrated

SOT23-6

MAX2015EUA+

Maxim Integrated

MSOP8

MAX2051ETP+

Maxim Integrated

QFN-52

MAX41461GUB+

Maxim Integrated

MSOP10

MAX2769EII+T

Maxim Integrated

QFN28

MAX4003EUA+T

Maxim Integrated

MSOP8

MAX1473EUI

Maxim Integrated

TSSOP28

MAX2674EWT+T

Maxim Integrated

6WLP

MAX4003EUA+

Maxim Integrated

MSOP8

MAX2659ELT+T

Maxim Integrated

UDFN-6

MAX2769EII+

Maxim Integrated

28TQFN