
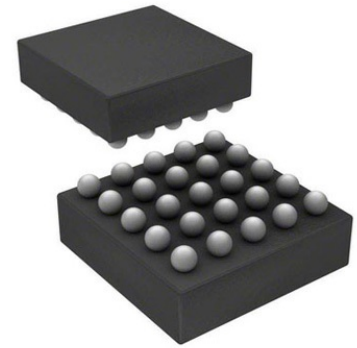


GPS Amp Single Low Noise 1.57542GHz 3.3V 6-Pin WLP T/R

Manufacturer:	Maxim Integrated
Package/Case:	WLP
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The MAX2657/MAX2658 high-gain, low-noise amplifiers (LNAs) are designed for GPS L1, Galileo, and GLONASS applications. Designed in Maxim's advanced SiGe process, the devices achieve a high gain and an ultra-low-noise figure while maximizing the input-referred 1dB compression point and the 3rd-order intercept point. The MAX2657/MAX2658 operate from a +1.6V to +3.3V single supply. The MAX2657 is optimized for low current. The MAX2658 is optimized for high linearity. The shutdown feature in the device reduces the supply current to be less than 1µA. The MAX2657/MAX2658 are available in a very small, lead-free, RoHS-compliant, 0.86mm x 1.26mm x 0.65mm, wafer-level package (WLP).

Key Features

- High-Power Gain: 19dB (MAX2657)
- Ultra-Low-Noise Figure: 0.8dB
- Integrated 50Ω Output Matching Circuit
- Low Supply Current: 4.1mA (MAX2657)
- Wide Supply Voltage Range: 1.6V to 3.3V
- Low Bill of Materials: One Inductor, Two Capacitors
- Small Footprint: 0.86mm x 1.26mm
- Thin Profile: 0.65mm
- 0.4mm-Pitch Wafer-Level Package (WLP)

Application

- Avionics
- Cellular Phones with GPS
- Location-Enabled Mobile Devices
- Notebook PCs/Ultra-Mobile PCs
- Personal Navigation Devices (PNDs)
- Recreational, Marine Navigation
- Telematics (Asset Tracking and Management)
- Watches

Recommended For You

MAX2309EGI

Maxim Integrated

QFN

MAX2021ETX

Maxim Integrated

QFN

MAX2150ETI

Maxim Integrated

QFN

MAX2608EUT

Maxim Integrated

SOT23-6

MAX2829ETN+

Maxim Integrated

QFN56

MAX2606EUT

Maxim Integrated

SOT23-6

MAX2015EUA+

Maxim Integrated

MSOP8

MAX2051ETP+

Maxim Integrated

QFN-52

MAX41461GUB+

Maxim Integrated

MSOP10

MAX2769ETI+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