


## GPS Amp Single Low Noise 1.75GHz 3.6V 6-Pin UDFN T/R

<b>Manufacturer:</b>	<a href="#">Maxim Integrated</a>
<b>Package/Case:</b>	UDFN-6
<b>Product Type:</b>	Amplifier ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The MAX2659 high-gain, low-noise amplifier (LNA) is designed for GPS, Galileo, and GLONASS applications. Designed in Maxim's advanced SiGe process, the device achieves a 20.5dB gain and an ultra-low-noise figure of 0.8dB while maximizing the input-referred 1dB compression point and the 3rd-order intercept point at -12dBm and -5dBm, respectively. The MAX2659 operates from a +1.6V to +3.3V single supply and consumes only 4.1mA. The shutdown feature in the device reduces the supply current to be less than 1µA. The MAX2659 is available in a very small, lead-free, RoHS-compliant, 1.5mm x 1.0mm x 0.75mm, 6-pin µDFN package.

### Key Features

- Improves System Performance
- High-Power 20.5dB Gain
- Integrated 50Ω Output Matching Circuit
- Small 1.5mm x 1.0mm Footprint
- Thin 0.75mm Profile
- Reduces Power Consumption
- Low 4.1mA Supply Current
- Power-Shutdown Control Mode to Eliminate the Need for External Supply Switch

### Application

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

### 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

**MAX2769ETI+**

Maxim Integrated

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