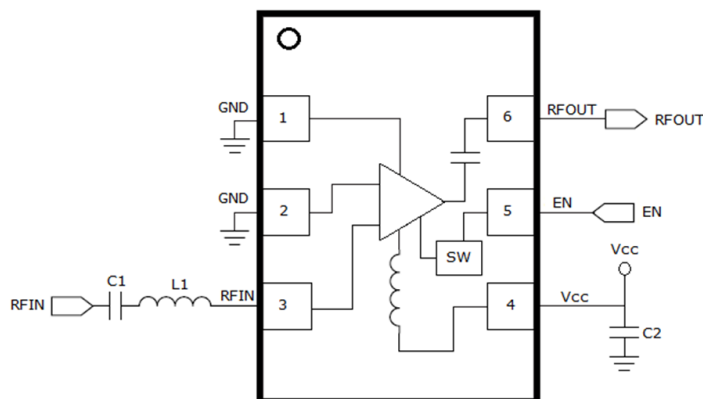


Front-End Solution> Low Noise Amplifier>**AR8159****AR8159****Low Noise Amplifier for GPS/GNSS**

2015-11-17

絡達科技推廣企業公益 不落人後

2015-09-07

絡達攻陸 聯發科助拳

2015-08-27

絡達持續推出高毛利產品

2015-07-29

 Airoha Technology Corp.
 appoints Mr. MH Shieh as Vice
 President

2015-07-09

執行長張志偉 讓絡達浴火重生

2015-07-09

晶片設計廠絡達科技 登錄興櫃

▲ TOP

Product Overview

The AR8159 is a high gain, low noise amplifier (LNA) for GPS, GLONASS, Galileo, and Compass applications. It operates from 1.6V to 3.6V and achieves 18.5 dB gain and 0.8 dB noise figure while giving a high linearity.

The current consumption of AR8159 in enable mode and disable mode are 5.8mA and 1uA respectively. The AR8159 is in a very small, lead-free, RoHS-compliant, 1.5mm x 1.0mm x 0.75mm 6-pin uDFN package. It requires low bill of materials, including one external matching inductor, one bypass capacitor and one DC blocking capacitor. The AR8159 is the best solution to improve the GPS receiver performance obviously and easily.

Key Features

- Support full GNSS L1 band: 1559MHz~1610MHz
- Low noise figure: 0.8 dB
- High gain: 18.5 dB
- High Input P1-dB: -12 dBm.
- High In-band IIP3: -2 dBm
- Support 1.6 ~ 3.6 V supply voltage
- Low supply current: 5.8mA
- Low disable current: 1uA
- Small package: 6-pin uDFN 1.5mm x 1.0mm x 0.75mm

Application

- GPS Device

◀ BACK