

## 0.1-3.8GHz SP8T Diversity Switch

### Features

- Broadband frequency range: 0.1 to 3.8 GHz
- Low insertion loss: 0.85dB typical @ 3.8 GHz
- High isolation: >16dB @ 3.8 GHz
- Integrated logic
- Small QFN 2mmX2mm-14L package

### Applications

- 2G/3G/4G antenna diversity and primary
- Cellular modems , tablets and USB Devices
- Other RF front-end modules

### General Description

The AW13418LQNR is a SP8T switch with low insertion loss and high Isolation. It can be used to support band switching and mode switching in antenna diversity systems for 2G/3G/4G, data cards and tablets.

The symmetrical design of internal ports makes it convenient for PCB routing and adjustment of receiving and transmitting signals. The band/mode switching is realized by the GPIO pins as referenced in the chip block diagram and the control logic.

The AW13418LQNR is provided in a compact QFN 2mmX2mm-14L.

### Typical Application Circuit

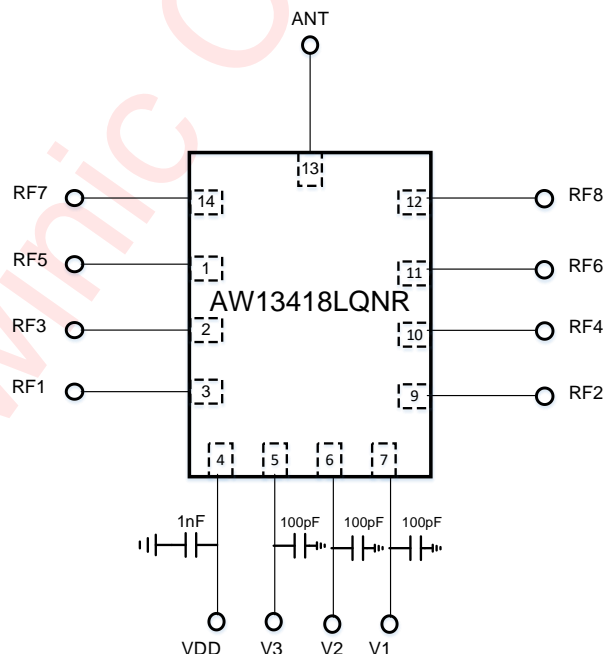


Figure 1 Typical Application Circuit of AW13418LQNR

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