

Applications

- DSSS 5 GHz WLAN (IEEE802.11a)
- Access Points, PCMCIA, PC cards

Features

- High output power amplifier 19dBm
- Integrated 50ohm input and output match
- Integrated power amplifier enable pin (V_{EN})
- Buffered, temperature compensated power detector
- 3% EVM, @19dBm, 64 QAM, 54 Mbps
- 30 dB Gain
- Lead Free and RoHS compliant, halogen free package
- 16 pin 3 mm x 3 mm x 0.9 mm QFN

Ordering Information

Part Number	Package	Remark
SE2567L	16 Pin QFN	Samples
SE2567L-R	16 Pin QFN	Tape and Reel
SE2567L-EK1	Evaluation Kit	Standard

Product Description

The SE2567L is a 5GHz power amplifier offering high linear power for wireless LAN applications. It incorporates a power detector for closed loop monitoring and control of the output power.

The SE2567L offers a high level of integration for a simplified design, providing quicker time to market and higher application board production yield. The device integrates the input match, the inter-stage match, a temperature compensated, load insensitive power detector with 15dB of dynamic range and a 3.8GHz notch filter. Two external components are required to complete the design.

For wireless LAN applications, the device meets the requirements of IEEE802.11a and delivers approximately 19dBm of linear output power.

The SE2567L integrates the reference voltage generator, allowing for a true CMOS compatible digital EN (enable) function to turn the power amplifier on and off.

Functional Block Diagram

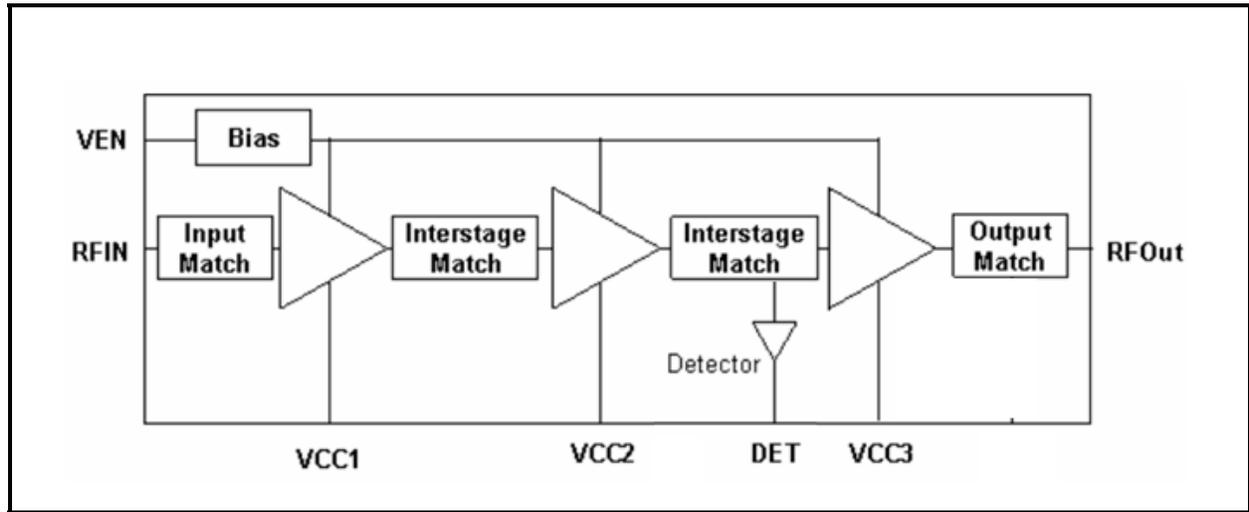


Figure 1: Functional Block Diagram

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Product Preview

The datasheet contains information from the product concept specification. SiGe Semiconductor, Inc. reserves the right to change information at any time without notification.

Preliminary Information

The datasheet contains information from the design target specification. SiGe Semiconductor, Inc. reserves the right to change information at any time without notification.

Production testing may not include testing of all parameters.

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