

### Applications

- DSSS 2.4 GHz WLAN (IEEE802.11b)
- OFDM 2.4 GHz WLAN (IEEE802.11g)
- Access Points, PCMCIA, PC cards

### Features

- Single 3.3 V Supply Operation
  - 19 dBm, EVM = 3 %, 802.11g, OFDM 54 Mbps
  - 24 dBm, ACPR < -32 dBc, 802.11b
- 32 dB Gain
- Pin for pin compatible to the SE2525L
- Integrated temperature compensated power detector
- Integrated power amplifier enable pin ( $V_{EN}$ )
- Lead Free and RoHS compliant
- Small package: 16 pin 3 mm x 3 mm x 0.9 mm QFN

### Product Description

The SE2587L is a 2.4 GHz power amplifier designed for use in the 2.4 GHz ISM band for wireless LAN applications. The device incorporates a power detector for closed loop monitoring of the output power.

The SE2587L includes a digital enable control for device on/off control.

The SE2587L temperature compensated power detector is highly immune to mismatch at its output with less than 1.5 dB of variation with a 2:1 mismatch.

### Ordering Information

Part Number	Package	Remark
SE2587L	16 Pin QFN	Samples
SE2587L-R	16 Pin QFN	Tape and Reel
SE2587L-AK1	Application Kit	Standard

### Functional Block Diagram

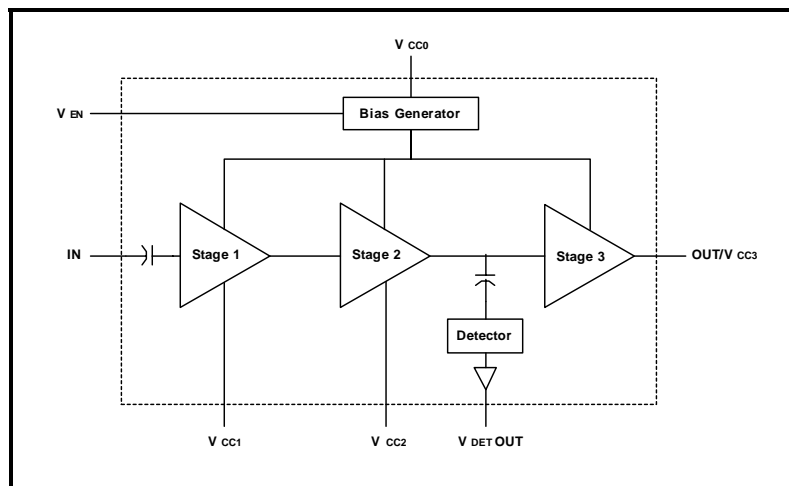


Figure 1: Functional Block Diagram

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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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