

PRODUCT SUMMARY

SE2623L-R: 2.4 GHz High-Power Wireless LAN Power Amplifier

Applications

- DSSS 2.4 GHz WLAN (IEEE 802.11b)
- OFDM 2.4 GHz WLANs:
 - IEEE 802.11b/g/n
 - 256 QAM IEEE 802.11ac
- Access points
- PCMCIA cards
- PC cards

Features

- High linear output power for IEEE 802.11ac, MCS9, 5 V
- High transmit gain
- Integrated temperature-compensated power detector
- Digital power amplifier enable pin (V_{EN})
- Small QFN (16-pin, 3.0 x 3.0 x 0.9 mm) package (MSL3, 260 °C per JEDEC J-STD-020)



Skyworks Green™ products are compliant with all applicable legislation and are halogen-free. For additional information, refer to *Skyworks Definition of Green™*, document number SQ04-0074.

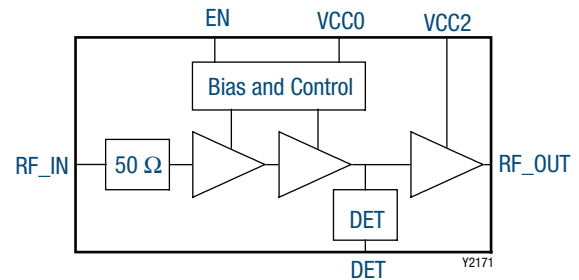


Figure 1. SE2623L-R Block Diagram

Description

The SE2623L-R is a 2.4 GHz power amplifier (PA) designed for use in the 2.4 GHz Industrial, Scientific, Medical (ISM) band for wireless local area network (LAN) applications. The SE2623L-R device incorporates a power detector for closed loop monitoring of the output power.

The SE2623L-R includes a digital enable control for device on/off control.

The SE2623L-R 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.

A block diagram of the SE2623L-R is shown in Figure 1.

Ordering Information

| Model Name | Manufacturing Part Number | Evaluation Board Part Number |
|---|---------------------------|------------------------------|
| SE2623L-R: 2.4 GHz High-Power Wireless LAN PA | SE2623L-R | SE2623L-R-EK1 |

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