

PRODUCT SUMMARY

SKY85006-11: 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
 - 1024 QAM IEEE 802.11ac
- Access points
- PCMCIA cards
- PC cards

Features

- Single 5 V supply operation
- Gain: +35 dB
- Integrated temperature-compensated logarithmic power detector
- Digital power amplifier enable pin (VEN)
- Small laminate (20-pin, 3.0 × 4.0 × 0.8 mm) package



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.

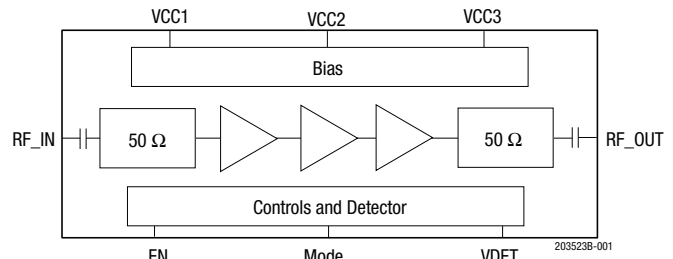


Figure 1. SKY85006-11 Block Diagram

Description

The SKY85006-11 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 SKY85006-11 device incorporates a power detector for closed loop monitoring of the output power.

The SKY85006-11 includes a digital enable for device on/off control. The SKY85006 also includes a MODE pin for use with digital predistortion to save current consumption.

The SKY85006-11 temperature-compensated power detector is highly immune to mismatch at its output.

A block diagram of the SKY85006-11 is shown in Figure 1.

Ordering Information

Part Number	Product Description	Evaluation Board Part Number
SKY85006-11	2.4 GHz High-Power Wireless LAN PA	SKY85006-11EK1

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