

PRODUCT SUMMARY

SKY66395-11: 4800 to 5000 MHz Wide Instantaneous Bandwidth High-Efficiency Power Amplifier

Applications

- High efficiency (DPD) power amplifier for 5G Small Cells
- Driver Amplifier for micro, macro and massive MIMO base stations

Features

- High power: +30 dBm
- Wide bandwidth: > 100 MHz
- Single 5 V supply voltage and on-chip active temperature compensated bias circuit
- High efficiency
- High Gain
- Integrated enable On/Off function: PAEN = 1.5 V to 2.5 V
- Compact (20-pin, 8 × 8 × 1.3 mm) package (MSL3, 260 °C per JEDEC J-STD-020)
- Pin-to-pin compatible PA family supporting key 5G bands



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.

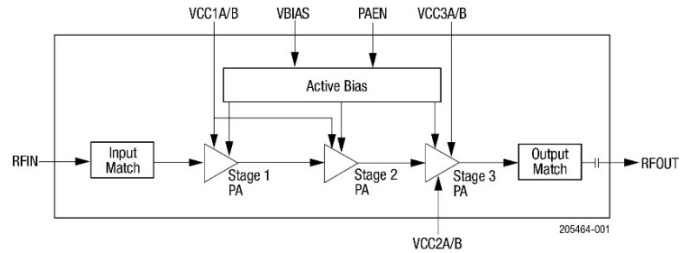


Figure 1. SKY66395-11 Block Diagram

Description

The SKY66395-11 is a +30 dBm high-efficiency power amplifier (PA) with high gain and linearity. The SKY66395-11 only requires a single 5 V supply and has integrate active biasing circuit to compensate PA performance over temperature, voltage and process variation.

A block diagram of the SKY66395-11 is shown in Figure 1. The SKY66395-11 is part of a pin-to-pin compatible family of PAs, see Table 1.

Table 1. Pin-to-Pin Driver PA Family

Part Number	Frequency (MHz)	3GPP / 5G Band
SKY66398-11	2496 to 2690	B7, B38, n41
SKY66395-11	4800 to 5000	n79
SKY66392-11	3400 to 3600	n78

Ordering Information

Part Number	Product Description	Evaluation Board Part Number
SKY66395-11	4800 to 5000 MHz Wide Instantaneous High-Efficiency PA	SKY66395-11EK1

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