



SKYWORKS®

Connecting Your World with Innovative Wireless Infrastructure Solutions

Today's wireless infrastructure must support high speed connectivity for increasingly complex, data-intensive 5G applications.

We offer advanced RF, PoE, and timing devices for 5G macro cells, massive MIMO, and small cells. These solutions enhance network efficiency and increase capacity at lower implementation cost.

[skyworksinc.com](https://www.skyworksinc.com)



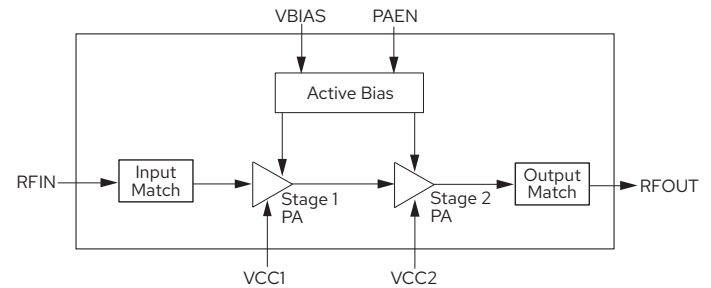
SKYWORKS®

Featured Products

SKY66520-11 and SKY66523-11

Wide Instantaneous Bandwidth High Efficiency Power Amplifiers

- Wide instantaneous signal bandwidth: 200 MHz
- High output power: +30 dBm with 200 MHz signal
- High linearity: 3GPP compliant with +30 dBm 200 MHz 5G 8.5 dB PAR signal
- Excellent input and output return loss for 50 Ω systems
- Integrated active bias to optimize PA performance over temperature, voltage, and process variation
- Integrated enable ON/OFF function
- High efficiency
- High gain: 33 dB
- Supply voltage: 5 V and 12 V
- Pin-to-pin compatible PA family supporting major 3GPP bands



Power Amplifiers and High Power Switches

SKY66523-11	3550 to 4200 MHz Wide Bandwidth, High Efficiency Power Amplifier	16-pin, 5 x 5 x 1.04 mm (LGA)
SKY66520-11	3300 to 3800 MHz Wide Bandwidth, High Efficiency Power Amplifier	16-pin, 5 x 5 x 1.04 mm (LGA)
SKY12248-492LF	2300 to 4200 MHz 120-Watt High-Power SPDT Switch	20-pin, 5 x 5 mm Quad Flat No-Lead (QFN)
SKY12255-708LF	300 to 3800 MHz 160-Watt High-Power SPDT Switch	20-pin, 5 x 5 mm Quad Flat No-Lead (QFN)

Timing and Reference Clocks and Oscillators

Si545	Single Ultra-Low Jitter Crystal Oscillator (XO), 200 to 1500 MHz	6-pin, 2.5 x 3.2 mm, 3.2 x 5 mm, and 5 x 7 mm options
Si5518	Low Noise Jitter Attenuating Clock for 5G/eCPRI/SynchE/IEEE 1588	72-pin, 10 x 10 mm Quad Flat No-Lead (QFN)

Multi-Function Power Over Ethernet PoE Solutions

Si34071	IEEE 802.3bt Compliant PoE PD with Integrated DC-DC Controller	32-pin, 5 x 5 mm Quad Flat No-Lead (QFN)
Si34061	IEEE 802.3af/at Compliant PoE PD with Integrated DC-DC Controller, Diode Bridge, HSSW FET, and Switching FET	24-pin, 5 x 5 mm Quad Flat No-Lead (QFN)
Si3404	IEEE 802.3af/at Type 1-Compliant PoE PD with integrated DC-DC Controller, HSSW FET, and Switching FET	20-pin, 4 x 4 Quad Flat No-Lead (QFN)

Circulators and Isolators

SKYFR-002114	3800 to 4200 MHz Low Profile Tile Circulator	10.2 mm x 3 mm
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