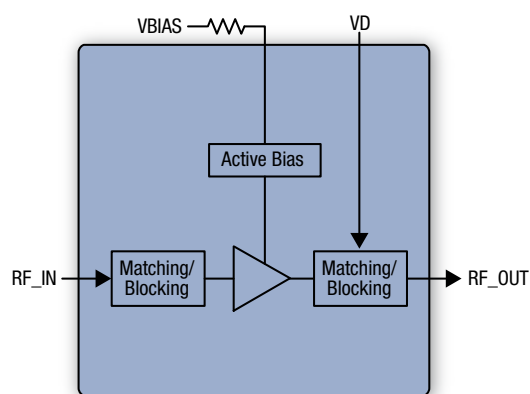


Fully Integrated and High Linearity Sub 1 dB NF Low Noise Amplifiers

For Next-Generation Wireless Infrastructure Applications

- Fully integrated and matched to 50 Ohms
- Internal bias and matching networks eliminate the need for costly external components, customer tuning
- Requires only a single external component
- Greatly reduces required board space, customer design-in time, and overall circuit complexity
- Ideal for femto and pico cell access points, micro base stations, tower mounted amplifiers, remote radio units, in-building repeaters/cell signal boosters, and public safety radios
- Wide 3–5 V supply voltage and 30–100 mA supply current capability



Low Noise Amplifier Functional Block Diagram

Part Number	Frequency Range (GHz)	Test Frequency (GHz)	Gain Typ. (dB)	OIP3 (dBm)	OP _{1dB} (dBm)	V _{DD} (V)	Typical Supply Current (mA)	Typical Noise Figure (dB)	Package (mm)
 SKY67215-11	0.4–0.7	0.50	21.5	35.5	18.5	5	75	0.67	16-pin MCM 4 x 4 x 1.3
 SKY67216-11	0.5–1.2	0.85	19.0	35.5	21.0	5	65	0.62	16-pin MCM 4 x 4 x 1.3
 SKY67221-11	1.6–2.1	1.95	18.5	37.0	20.7	5	85	0.90	16-pin MCM 4 x 4 x 1.3
 SKY67226-11	2.2–3.0	2.50	16.5	37.5	22.0	5	89	1.00	16-pin MCM 4 x 4 x 1.3

 Skyworks' Green™ products are compliant to all applicable materials legislation and are halogen-free. For additional information, please refer to Skyworks Definition of Green™, document number SQ04-0074. New products indicated in **blue**, **bold** are continually being introduced at Skyworks.



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