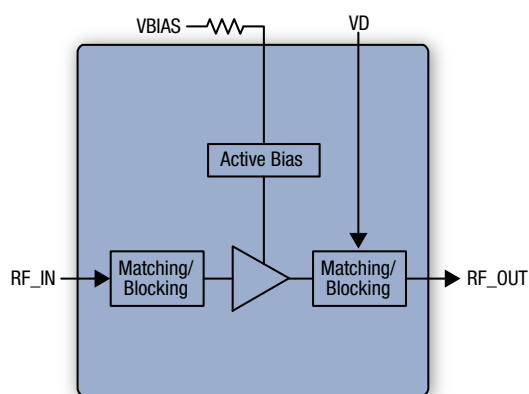


SKYWORKS®





# 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 <sub>1dB</sub> (dBm)	V <sub>DD</sub> (V)	Typical Supply Current (mA)	Typical Noise Figure (dB)	Package (mm)
 <b>SKY67215-11</b>	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
 <b>SKY67216-11</b>	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
 <b>SKY67221-11</b>	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
 <b>SKY67226-11</b>	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.



Join our customer email program instantly by scanning the QR code with your smartphone, or visit our Web site at [www.skyworksinc.com](http://www.skyworksinc.com).

**Samples and Evaluation Boards Available at [www.skyworksinc.com](http://www.skyworksinc.com).**



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