

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

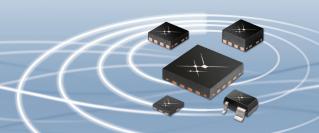
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









# **Ultra Low Noise Amplifiers (LNAs)**

### Select LNAs Available from Stock for Prototype or High-Volume Production

- Excellent Noise Figure, as Low as 0.50 dB
- Unconditional Stability Matching Circuits
- Temperature-Stable Performance

- Low Cost, Small Form Factor Packaging
- Narrow and Broadband Options
- High Linearity and Adjustable Gain Designs

#### LNAs for Cellular Infrastructure, GPS, Broadband, ISM Band, and WLAN Applications

Part Number New Products	Application	Frequency Range (GHz)	Test Frequency (MHz)	Gain (dB)	NF (dB)	OIP3 (dBm)	OP <sub>1 dB</sub> (dBm)	V <sub>DD</sub> (V) (Operating Range)	I <sub>DD</sub> (mA) (Operating Range)	Package (mm)
SKY67101-396LF	Cellular Infrastructure	0.4–1.2	900	17.5	0.50	34.0	19.0	4 (3.3–5.0)	56 (20–90)	DFN 8L 2 x 2 x 0.75
SKY67100-396LF	Cellular Infrastructure	1.2–2.3	1950	17.5	0.70	34.0	18.5	4 (3.3–5.0)	56 (20–90)	DFN 8L 2 x 2 x 0.75
SKY67102-396LF	Cellular Infrastructure	2.0-3.0	2600	17.2	0.80	33.8	15.0	4 (3.3–5.0)	50 (20–90)	DFN 8L 2 x 2 x 0.75
SKY67001-396LF	Cellular Infrastructure	0.6–1.2	900	17.5	0.60	40.5	21.0	5 (3.3–5.0)	100 (50–120)	DFN 8L 2 x 2 x 0.75
SKY67002-396LF	Cellular Infrastructure	1.6–2.1	1850	17.5	0.65	39.5	20.0	5 (3.3–5.0)	95 (50–120)	DFN 8L 2 x 2 x 0.75
SKY67003-396LF	Cellular Infrastructure	2.0-3.0	2600	17.5	0.88	39.0	19.7	5 (3.3–5.0)	100 (50–120)	DFN 8L 2 x 2 x 0.75
SKY67105-306LF	Cellular Infrastructure	0.6–1.1	850	37.0	0.70	41.0	26.0	5 (3.5–5.0)	138 (120–155)	QFN 16L 4 x 4 x 0.90
SKY67106-306LF	Cellular Infrastructure	1.5–3.0	1950	35.0	0.65	37.0	24.0	5 (3.5–5.0)	100 (80–125)	QFN 16L 4 x 4 x 0.90
SKY67107-306LF	Cellular Infrastructure	2.3–2.8	2600	32.0	0.85	37.5	18.5	5 (3.5–5.0)	125 (50–145)	QFN 16L 4 x 4 0.75
SKY67012-396LF	General Purpose	0.3-0.6	450	16.5	0.85	24.0	14.0	3.3 (1.8–5.0)	15 (5–30)	DFN 8L 2 x 2 x 0.75
SKY67013-396LF	General Purpose	0.6–1.5	900	14.0	0.85	26.0	15.5	3.3 (1.8–5.0)	15 (5–30)	DFN 8L 2 x 2 x 0.75
SKY67014-396LF	General Purpose	1.5–3.0	2450	12.0	0.95	18.0	6.0	3.3 (1.8–5.0)	5 (5–30)	DFN 8L 2 x 2 x 0.75
SKY65404-31	5.8 GHz WLAN and ISM Band	4.9–5.9	5800	13.0	1.20	20.0	9.0	3.3 (2.8–5.0)	11 (10–15)	DFN 6L 1.5 x 1.5 x 0.45
SKY65405-21	2.4 GHz WLAN and ISM Band	2.4–2.5	2450	15.0	1.10	24.0	15.0	3.3 (2.8–5.0)	12 (10–16)	DFN 6L 1.5 x 1.5 x 0.45

Skyworks Green™ products are compliant to all applicable materials legislation and are halogen-free. For additional information, refer to Skyworks Definition of Green™, document number SQ04-0074.

#### Samples and Evaluation Boards Available at www.skyworksinc.com