



**THE DATASHEET OF
SKY67001-396LF**




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 _{1dB} (dBm)	V _{DD} (V) (Operating Range)	I _{DD} (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 x 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

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