


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 (MHz)	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	400–1200	900	17.5	0.57	34	19	4 (3.3–5.0)	54 (20–90)	DFN 8L 2 x 2 x 0.75
SKY67100-396LF	Cellular Infrastructure	1200–2300	1950	17.5	0.7	34	18.5	4 (3.3–5.0)	55 (20–90)	DFN 8L 2 x 2 x 0.75
SKY67102-396LF	Cellular Infrastructure	2000–3000	2600	17.2	0.8	34	15	4 (3.3–5.0)	50 (20–90)	DFN 8L 2 x 2 x 0.75
SKY67001-396LF	Cellular Infrastructure	700–1000	900	17.5	0.6	40.5	21	5 (3.3–5.0)	100 (50–120)	DFN 8L 2 x 2 x 0.75
SKY67002-396LF	Cellular Infrastructure	1600–2100	1950	17.5	0.65	39.5	20	5 (3.3–5.0)	95 (50–120)	DFN 8L 2 x 2 x 0.75
SKY67105-306LF	Cellular Infrastructure	600–1100	850	37	0.7	41	26	5 (3.5–5.0)	140 (120–155)	QFN 16L 4 x 4 x 0.90
SKY67106-306LF	Cellular Infrastructure	1500–3000	1950	35	0.65	37	24	5 (3.5–5.0)	100 (80–125)	QFN 16L 4 x 4 x 0.90
SKY67014-396LF	General Purpose	1500–3000	2450	13	0.95	26	15	3.3 (1.8–5.0)	15 (5–30)	DFN 8L 2 x 2 x 0.75
SKY65047-360LF	GPS and ISM Band	400–3000	1575	16.6	0.8	19.5	0	3.3 (2.7–3.8)	7 (6.5–7.5)	DFN 8L 2 x 2 x 0.90
SKY65050-372LF	Broadband Low Noise FET	450–6000	2400	15.5	0.65	23.5	10.5	3 (2.7–3.8)	20 (5–55)	SC-70 4L 2.2 x 1.35 x 1.1
SKY65404-31	5.8 GHz WLAN and ISM Band	4900–5900	5800	13	1.2	20	9	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	2400–2500	2450	15	1.1	24	15	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