








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

Device Type	Frequency Range (MHz)	Test Frequency (MHz)	Gain (dB)	NF (dB)	OIP3 (dBm)	OP _{1dB} (dBm)	V _{DD} (V)	I _{DD} (mA)	Package (mm)	Part Number <i>New Products</i>
Cellular Infrastructure LNA	400–1200	900	17.5	0.5	34	19	4	54	DFN 8L 2 x 2 x 0.75	 SKY67101-396LF
Cellular Infrastructure LNA	1200–2300	1950	17.5	0.7	34	18.5	4	55	DFN 8L 2 x 2 x 0.75	 SKY67100-396LF
Cellular Infrastructure LNA	2300–2700	2500	16.5	0.7	35.5	18	5	75	DFN 8L 2 x 2 x 0.90	 SKY65066-360LF
GPS and ISM Band SiGe LNA	400–3000	1575	16.5	0.8	19.5	0	3.3	7	DFN 8L 2 x 2 x 0.90	 SKY65047-360LF
Broadband Low Noise FET	450–6000	2400	15.5	0.65	23.5	10.5	3	20	SC-70 4L 2.2 x 1.35 x 1.1	 SKY65050-372LF
Broadband High Linearity Low Noise FET	450–6000	2400	16.5	0.8	33.5	15.5	5	55	QFN 4L 2 x 2 x 0.55	 SKY65053-377LF
5.8 GHz WLAN and ISM Band LNA	4900–5900	5800	13	1	20	9	3	11	QFN 1.5 x 1.5 x 0.45	 SKY65404-21

 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

