

SKYWORKS®

High Performance Amplifiers

General Purpose Gain Block Amplifiers

- Broadband
- Typical gain up to 20 dB
- Typical bandwidths from 3 GHz up to 12 GHz
- OIP3 up to 36 dBm
- Input and output impedances are 50 Ohms
- Available in SC-88 or SOT-89 packages

Frequency (MHz)	Gain Typ. (dB)	NF (dB)	OIP3 Typ. (dBm)	$OP_{1\ dB}$	Vdc (V)	Quiescent Current Typ. (mA)	Package (mm)	Part Number
LF–7	12.5	5.5	29	12.5	3.5	40	SOT-89	**SKY65013-70LF**
LF–12	12.5	5.8	29	12.5	3.5	40	SC-88	**SKY65013-92LF**
LF–6	16	4.8	36	18	4.7	70	SOT-89	**SKY65014-70LF**
LF–9	15	5.4	36	18	4.7	70	SC-88	**SKY65014-92LF**
LF–6	18	4.2	35	17	4.7	70	SOT-89	**SKY65015-70LF**
LF–6	18	4.8	35	18	4.7	70	SC-88	**SKY65015-92LF**
LF–3	20	4.8	27	14	3.5	40	SOT-89	**SKY65016-70LF**
LF–3	20	5.4	27	14	3.5	40	SC-88	**SKY65016-92LF**
LF– 6	20	4.5	35	20	5	100	SOT-89	**SKY65017-70LF**

Ultra Linear Power Amplifier Drivers

- OIP3 up to 42 dBm
- Typical gain up to 20 dB
- Noise figure down to 1.8 dB

Frequency (MHz)	Gain Typ. (dB)	NF (dB)	OIP3 Typ. (dBm)	$OP_{1\ dB}$	Vdc (V)	Quiescent Current Typ. (mA)	Package (mm)	Part Number
0.25–2.7	16	5.5	42	25	3.3 or 5	125	3-pin MCM 4 x 4	**SKY65004**
0.25–2.7	20	3	33	21	3.3	76	3-pin MCM 4 x 4	**SKY65008**
0.25–2.5	12	4.3	42	27	3.3 or 5	100	4-pin SOT-89	**SKY65009-70LF**
0.25–2.7	16	5.5	42	25	3.3 or 5	125	4-pin SOT-89	**SKY65028-70LF**
0.25–6	15	2	40	21.5	3 to 5	140	4-pin SOT-89	**SKY65038-70LF**
0.39–1.5	14	1.8	37.5	25	5	46	4-pin SOT-89	**SKY65045-70LF**
1.5–2.5	14	2.1	38	21	5	47	4-pin SOT-89	**SKY65080**
0.4–2.3	18		39	27	5	260	SOIC-8 Exposed Paddle	**SKY65112-84LF**
0.4–2.3	20		40	30	5	450	SOIC-8 Exposed Paddle	**SKY65113-84LF**

Application-Specific Amplifiers

- Advanced Metering Infrastructure (AMI)
- IEEE 802.15.4
- ISM
- TETRA
- WLAN

SKY65111, SKY65116, SKY65131, SKY65132, SKY65137, SKY65152

- High gain
- Internally matched 50 Ohm input and output ports
- Voltage controlled PA enable pin



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