

Single Supply Op Amps

Part Number	Vos Max 25°C (μV)	TC of Vos Max (μV/°C)	IBIAS Max 0-70°C (nA)	GBW Typ 25°C MHz	Slew Min 0-70°C (V/μs)	AVOL Min 0-70°C (V/mV)	en Typ (nV/ Hz)	ISUPPLY Max/Amp mA	S/D ⁽³⁾	Supply Voltage		Rail to Rail I/O ⁽¹⁾	VOH ⁽²⁾ Max V	VOL ⁽²⁾ Max V	Packaging	C-Load Stable (pF)	Price 1K Qty	Important Features
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Max				
Singles																		
LT1006	80	1.8	25	0.5	0.25	250	22	0.57		4	44		1	0.025	N8		\$1.55	General Purpose, Single Supply, Precision Amplifiers
LT1006S	400	3.5	25	0.5	0.25	700	22	0.57		4	44		1	0.025	S8		\$1.90	General Purpose, Single Supply, Precision Amplifiers
LT1077	60	2	11	0.25	0.12	200	27	0.07		2.3	44		0.8	0.006	N8	600	\$1.60	High precision, micropower, Single Supply
LT1077A	40	1.6	9	0.25	0.12	250	27	0.06		2.3	44		0.8	0.006	N8	600	\$3.10	High precision, micropower, Single Supply
LT1077S8	150	3	11	0.25	0.05	200	27	0.07		2.3	44		0.8	0.006	S8	600	\$1.95	High precision, micropower, Single Supply
LT1218	90	3	70	0.3	0.1	250	33	0.42	S/D	2	36	yes	0.003	0.004	N8/S8	1000	\$4.75	Low Vos for wide CM range
LT1218L	90	3	70	0.3	0.1	250	33	0.42	S/D	2	16	yes	0.003	0.004	N8/S8	1000	\$2.90	Low Vos for wide CM range
LT1219	90	3	70	0.15	0.05	250	33	0.42	S/D	2	36	yes	0.003	0.004	N8/S8	100000	\$4.75	Requires 0.1μF Load for Stability
LT1219L	90	3	70	0.15	0.05	250	33	0.42	S/D	2	16	yes	0.003	0.004	N8/S8	100000	\$2.90	Requires 0.1μF Load for Stability
LT1494	375	2	1	0.0025	0.001	100	185	0.0015		2.2	36	yes	0.07	0.1	N8/S8	8000	\$1.65	Ultralow power, precision, Rail-to-Rail IO
LT1494MS8	475	2	1	0.0025	0.001	100	185	0.0015		2.2	36	yes	0.07	0.1	MS8	8000	\$1.75	Ultralow power, precision, Rail-to-Rail IO
LT1635	1300	7	4	0.175	0.045	100	50	0.2		1.2	14	yes	0.025	0.01	N8/S8	1000	\$1.75	Precision op amp with on chip reference
LT1636MS8	225	10	8	0.2	0.03	100	52	0.06	S/D	2.7	44	yes	0.05	0.01	MS8	10000	\$1.85	Over-The-Top, C-Load stable with external RC, Rail-to-Rail IO
LT1636N8	225	5	8	0.2	0.03	100	52	0.06	S/D	2.7	44	yes	0.05	0.01	N8	10000	\$1.45	Over-The-Top, C-Load stable with external RC, Rail-to-Rail IO
LT1636S8	225	8	8	0.2	0.03	100	52	0.06	S/D	2.7	44	yes	0.05	0.01	S8	10000	\$1.50	Over-The-Top, C-Load stable with external RC, Rail-to-Rail IO
LT1637	350	3	50	1.1	0.185	200	27	0.25	S/D	2.7	44	yes	0.06	0.008	N8/S8	4700?	\$1.45	Over-The-Top, outputs Hi-Z in SHDN, Rail-to-Rail IO
LT1637MS8	350	6	50	1.1	0.185	200	27	0.25	S/D	2.7	44	yes	0.06	0.008	MS8	4700?	\$1.70	Over-The-Top, outputs Hi-Z in SHDN, Rail-to-Rail IO
LT1672	375	2	1	0.013	0.001	100	185	0.0015		2.7	44	yes	0.07	0.1	N8/S8	500	\$1.65	Ultralow power, precision, Rail-to-Rail IO, Min Av=5
LT1672MS8	475	2	1	0.013	0.001	100	185	0.0015		2.7	44	yes	0.06	0.008	MS8	500	\$1.75	Ultralow power, precision, Rail-to-Rail IO, Min Av=5
LT1677	60	0.6	20	5	1.7	7000	4.5	4		2.7	44	yes	1.2	1.2	N8/S8	1000	\$4.80	Ultralow Noise, Rail-to-Rail IO
LT1782	800	5	15	0.19	0.031	250	50	0.06	S/D	2.5	18	yes	0.09	0.008	S5/S6		\$1.10	Over-The-Top, Rail-to-Rail IO
LT1783	800	5	80	1.1	0.21	250	20	0.35	S/D	2.5	18	yes	0.09	0.008	S5/S6		\$1.10	Over-The-Top, Rail-to-Rail IO
LT1784	3500	15	500	2.5	1.1	90	25	0.75	S/D	2.5	18	yes	0.015	0.01	S5/S6		\$1.00	Over-The-Top, Rail-to-Rail IO
LT1797	1500	20	300	10	2.3	150	20	1		2.7	12.6	yes	0.14	0.015	S5/S6	200	\$1.00	High speed, Rail-to-Rail IO
LT1800	350	1.5 Typ	250	80	11	30	8.5	2		2.3	12.6	yes	0.05	0.06	S8/S5		\$1.30	Low Power RRIO Applications
LT1806	300	5	4000	325	100	60	3	14	S/D	2.5	12.6	yes	0.1	0.025	S6/S8		\$2.10	High speed low Noise, DC precision, Rail-to-Rail IO
LT1809	2000	25	8000	180	180	25	16	13	S/D	2.5	12.6	yes	0.04	0.02	S6/S8		\$1.75	High speed low distortion, low Noise, Rail-to-Rail IO
LT6200	1000	8	10μA Typ	165	31	46	0.95	23	S/D	2.5	12.6	yes	0.11	0.03	S8/S6		\$2.15	Lowest Noise with Rail-to-Rail I/O with shutdown
LT6202	500	9	7000	100	18	70	1.9	3		2.5	12.6	yes	0.075	0.03	S8/S5		\$1.45	Low Power and Ultralow Noise
LTC1049	10	0.1	0.05	0.8	0.8	3162	1μVPP	0.3		4.75	18		0.8	0.1	N8/S8		\$2.15	Zero drift, no external capacitors
LTC1050	5	0.05	0.075	2.5	4	1000	0.6μVPP	1.5		4.75	18		0.05	0.05	N8/S8		\$2.15	Zero drift, no external capacitors
LTC1050A	5	0.05	0.03	2.5	4	3162	0.6μVPP	1.5		4.75	18		0.05	0.05	N8		\$3.75	Zero drift, no external capacitors
LTC1052	5	0.05	0.03	1.2	3	1000	0.5μVPP	2		4.75	18		0.05	0.05	N8/SW16		\$4.10	Low Noise, Zero drift
LTC1150	5	0.05	0.1	2.5	3	10000	0.6μVPP	1.5		4.75	36		1.5	1.5	N8/S8		\$3.70	Zero drift, no external capacitors
LTC1152	10	0.1	0.1	0.7	1	316	0.5μVPP	3	S/D	3	14	yes	0.5	0.5	N8/S8	1000	\$3.15	Zero drift, C-Load Stable with external RC
LTC1250	10	0.05	0.2	1.5	10	10000	0.3μVPP	4		4.75	18		1	1	N8/S8		\$2.85	Low Noise, no external caps Zero drift
LTC2050	3	0.03	0.05	3	2	562	1.5μVPP	1.1	S/D	2.7	12		0.02	0.02	S8/S6/S5		\$1.15	Lowest offset, SOT23, 7.5kHz internal sampling
LTC6910-1	15000		see d/s	11	16	PGA	see d/s	3	S/D	2.7	11	yes	0.02	0.03	ST8		\$1.10	3 Bit Programmable Gain Amplifier
Duals																		
LT1013	300	2.5	30	0.5	0.2	700	22	0.55		4	44		1	0.025	N8/S8		\$2.10	General Purpose, Single Supply, Precision Amplifiers
LT1013A	150	2	20	0.5	0.2	1000	22	0.5		4	44		1	0.025	N8		\$3.80	General Purpose, Single Supply, Precision Amplifiers
LT1013D	800	5	30	0.5	0.2	700	22	0.55		4	44		1	0.025	N8/S8		\$1.90	General Purpose, Single Supply, Precision Amplifiers
LT1078	120	2.5	10	0.2	0.07	200	28	0.1		2.3	44		0.8	0.006	N8/S8/SW16	600	\$2.70	High precision, micropower, Single Supply
LT1078A	70	2	8	0.2	0.07	250	28	0.1		2.3	44		0.8	0.006	N8	600	\$4.95	High precision, micropower, Single Supply
LT1178	120	3	6	0.06	0.013	110	49	0.021		5	44		0.8	0.009	N8/S8/SW16	600	\$2.95	High precision, very low power, Single Supply
LT1178A	70	2.2	5	0.06	0.013	140	49	0.018		5	44		0.8	0.009	N8	600	\$5.40	High precision, very low power, Single Supply
LT1211	375	3	30	14	5	250	12	2.1		5	36		0.7	0.006	N8/S8	400	\$2.85	Fast with high precision
LT1211A	175	1.5	20	14	5	250	12	2.1		5	36		0.7	0.006	N8	400	\$4.60	Fast with high precision
LT1213	650	3	200	26	10	200	10	4		5	36		0.7	0.007	N8/S8	200	\$2.85	Fast with high precision
LT1213A	425	1.5	160	26	10	200	10	4		5	36		0.7	0.007	N8	200	\$4.60	Fast with high precision
LT1215	550	5	600	23	40	100	12.5	7.6		5	36		0.7	0.008	N8/S8	1000	\$2.85	Fast with high precision
LT1215A	350	2.5	500	23	40	100	12.5	7.6		5	36		0.7	0.008	N8	1000	\$5.35	Fast with high precision
LT1366	475	6	35	0.4	0.13	500	29	0.52		1.8	30	yes	0.012	0.012	N8/S8	1000	\$3.50	C-Load stable into 1000pF
LT1368	475	6	35	0.16	0.13	500	29	0.52		1.8	30	yes	0.012	0.012	N8/S8	100000	\$3.45	Requires 0.1μF Load for Stability

Single Supply Op Amps

	Vos Max 25°C (μV)	TC of Vos Max (μV/°C)	IBIAS Max 0-70°C (nA)	GBW Typ 25°C MHz	Slew Min 0-70°C (V/μs)	AVOL Min 0-70°C (V/mV)	en Typ (nV/ Hz)	ISUPPLY Max/Amp mA		Supply Voltage		Rail to Rail I/O ⁽¹⁾	V _{OH} ⁽²⁾ Max V	V _{OL} ⁽²⁾ Max V		C-Load Stable (pF)	Price 1K Qty	Important Features
Duals (Continued)																		
LT1413	280	2.5	18	0.95	0.2	350	23	0.48		5	44		0.9	0.025	N8		\$2.00	Single Supply, Optimized for 5V and GND
LT1413A	150	2	15	0.95	0.2	400	23	0.45		5	44		0.9	0.025	N8		\$3.30	Single Supply, Optimized for 5V and GND
LT1413S8	380	2.5	18	0.95	0.2	350	23	0.48		5	44		0.9	0.025	S8		\$2.20	Single Supply, Optimized for 5V and GND
LT1466L	390	7	14	0.12	0.04	400	45	0.075		2	16	yes	0.052	0.06	N8/S8	1000	\$4.15	Precision micropower Rail-to-Rail IO
LT1490A	500	2	8	0.1	0.035	200	50	0.05		3	30	yes	0.05	0.01	N8/S8	1000	\$1.95	General Purpose, Rail-to-Rail IO, Over-The-Top
LT1490AMS8	1000	2	8	0.1	0.035	200	50	0.05		3	30	yes	0.05	0.01	MS8	1000	\$1.95	General Purpose, Rail-to-Rail IO, Over-The-Top
LT1492	180	3	100	5	1.8	175	16.5	0.55		2.5	36		0.8	0.006	N8/S8	250	\$3.45	Single Supply
LT1495	375	2	1	0.0025	0.001	100	185	0.0015		2.2	36	yes	0.07	0.1	N8/S8	8000	\$2.45	Ultralow power, precision, Rail-to-Rail IO
LT1498	475	2.5	500	6.8	2.6	600	12	2.2		2.2	30	yes	0.01	0.03	N8/S8	10000	\$2.95	Stable with any C-Load
LT1630	525	2.5	1000	15	4.6	500	6	2.2		2.7	36	yes	0.04	0.03	N8/S8	300	\$2.95	Low Distortion, high speed, Rail-to-Rail IO
LT1632	1350	6	2200	45	13	450	12	5.2		2.7	36	yes	0.04	0.03	N8/S8	250	\$3.05	Low Distortion, high speed, Rail-to-Rail IO
LT1638	600	6	50	1.075	0.185	250	20	0.23		2.7	44	yes	0.06	0.008	N8/S8	1000	\$1.95	Over-The-Top, Rail-to-Rail IO
LT1638MS8	900	7	50	1.075	0.185	250	20	0.23		2.7	44	yes	0.06	0.008	MS8	1000	\$1.95	Over-The-Top, Rail-to-Rail IO
LT1673	375	2	1	0.013	0.001	100	185	0.0015		2.7	44	yes	0.07	0.1	N8/S8	500	\$2.45	Ultralow power, precision, Rail-to-Rail IO, Min Av=5
LT1801	350	1.5 Typ	250	80	11	30	8.5	2		2.3	12.6	yes	0.06	0.06	S8/MS8		\$1.95	Low Power RRIO Applications
LT1807	300	5	4000	325	100	60	3	14		2.5	12.6	yes	0.1	0.025	S8/MS8		\$3.40	High speed, low Noise, DC precision, Rail-to-Rail IO
LT1810	2000	25	8000	180	180	25	16	13		2.5	12.6	yes	0.04	0.02	S8/MS8		\$2.65	High speed, low distortion, low Noise, Rail-to-Rail IO
LT2078	120	2.5	10	0.2	0.04	150	28	0.055		2.3	44		0.8	0.006	S8		\$3.50	High precision, micropower, Single Supply
LT2078A	70	1.8	8	0.2	0.04	200	28	0.05		2.3	44		0.8	0.006	S8		\$5.35	High precision, micropower, Single Supply
LT2178	120	3	6	0.06	0.013	110	49	0.021		2.3	44		0.8	0.009	S8		\$3.70	High precision, micropower, Single Supply
LT2178A	70	2.2	5	0.06	0.013	140	49	0.018		2.3	44		0.8	0.009	S8		\$5.65	High precision, micropower, Single Supply
LT6201	1000	8	10μA Typ	165	31	46	0.95	23		2.5	12.6	yes	0.11	0.03	S8/MS8	tdb		Lowest Noise with Rail-to-Rail I/O Dual
LT6203	500	9	7000	100	18	70	1.9	3		2.5	12.6	yes	0.075	0.03	S8/MS8		\$2.45	Low Power and Ultralow Noise
LTC1047	10	0.01	0.03	0.2	0.2	1000	0.8μVPP	0.15		4.75	16		0.2	0.1	N8/SW16		\$4.85	Zero drift, no external capacitors
LTC1051	5	0.05	0.065	2.5	4	1000	0.4μVPP	2		4.75	16.5		0.5	0.5	N8/SW16		\$4.05	Zero drift, no external capacitors
LTC1151	5	0.05	0.1	2	2.5	1780	0.5μVPP	1.5		4.75	36		0.03	0.03	N8/SW16		\$5.80	Zero drift, no external capacitors
LTC2051	3	0.03	0.05	3	2	562	1.5μVPP	1.1	S/D	2.7	12		0.02	0.02	S8/MS8		\$2.00	Lowest offset, 7.5kHz internal sampling
Triples																		
LT6550				90	300			10		3	12.6	out	0.3	0.03	MS10		\$1.75	3V RGB Driver with fixed voltage gain of 2
Quads																		
LT1014	300	2.5	30	0.5	0.2	700	22	0.55		4	44		1	0.025	N14/SW16		\$5.15	General Purpose, Single Supply, Precision Amplifiers
LT1014A	180	2	20	0.5	0.2	1000	22	0.55		4	44		1	0.025	N14		\$6.80	General Purpose, Single Supply, Precision Amplifiers
LT1014D	800	5	30	0.5	0.2	700	22	0.55		4	44		1	0.025	N14/SW16		\$3.45	General Purpose, Single Supply, Precision Amplifiers
LT1079	150	2.5	10	0.2	0.07	200	28	0.1		2.3	44		0.8	0.006	N14/SW16	600	\$3.40	High precision, micropower, Single Supply
LT1079A	120	2	8	0.2	0.07	250	28	0.1		2.3	44		0.8	0.006	N14	600	\$6.25	High precision, micropower, Single Supply
LT1179	150	3	6	0.06	0.013	110	49	0.021		5	44		0.8	0.009	N14/SW16	600	\$3.70	High precision, very low power, Single Supply
LT1179A	100	2.2	5	0.06	0.013	140	49	0.018		5	44		0.8	0.009	N14	600	\$6.70	High precision, very low power, Single Supply
LT1212	375	6	30	14	5	250	12	2.1		5	36		0.7	0.006	N14/S16	400	\$5.10	Fast with high precision
LT1214	650	6	200	26	10	200	10	4		5	36		0.7	0.007	N14/S16	200	\$5.10	Fast with high precision
LT1216	550	10	600	23	40	100	12.5	7.6		5	36		0.7	0.008	N14/S16	1000	\$5.10	Fast with high precision
LT1367	800	6	35	0.4	0.13	500	29	0.52		1.8	30	yes	0.012	0.012	S14	1000	\$6.10	C-Load stable into 1000pF
LT1369	800	6	35	0.16	0.13	500	29	0.52		1.8	30	yes	0.012	0.012	S14	100000+	\$6.10	Requires 0.1μF Load for Stability
LT1467L	390	7	14	0.12	0.04	400	45	0.075		2	16	yes	0.052	0.06	N14/S16	1000	\$7.30	Precision micropower Rail-to-Rail IO
LT1491A	1000	2	8	0.1	0.035	200	50	0.05		3	30	yes	0.05	0.01	N14/S14	1000	\$3.30	General Purpose, Rail-to-Rail IO, Over-The-Top
LT1493	180	3	100	5	1.8	175	16.5	0.55		2.5	36		0.8	0.006	S16	250	\$6.40	Single Supply
LT1496	375	2	1	0.0025	0.001	100	185	0.0015		2.2	36	yes	0.07	0.1	N14/S14	8000	\$3.25	Ultralow power, precision, Rail-to-Rail IO
LT1499	475	2.5	500	6.8	2.6	600	12	2.2		2.2	30	yes	0.01	0.03	S14	10000	\$5.60	Stable with any C-Load
LT1631	525	2.5	1000	30	4.6	500	6	2.2		2.7	36	yes	0.04	0.03	S14	300	\$5.60	Low Distortion, high speed, Rail-to-Rail IO
LT1633	1350	6	2200	45	13	450	12	5.2		2.7	36	yes	0.04	0.03	S14	250	\$5.70	Low Distortion, high speed, Rail-to-Rail IO
LT1639	700	6	50*	1.075	0.185	250	20	0.23		2.7	44	yes	0.06	0.008	S14	1000	\$3.30	Over-The-Top, Rail-to-Rail IO
LT1674	375	2	1	0.013	0.001	100	185	0.0015		2.7	44	yes	0.07	0.1	N14/S14	500	\$3.25	Ultralow power, precision, Rail-to-Rail IO, Min Av=5
LT1802	350	1.5 Typ	250	80	11	30	8.5	2		2.3	12.6	yes	0.06	0.06	S14		\$3.50	Low Power RRIO Applications
LT2079	150	3.5	10	0.2	0.04	150	28	0.055		2.3	44		0.8	0.006	S14		\$5.95	High precision, micropower, Single Supply
LT2079A	100	3	8	0.2	0.04	200	28	0.05		2.3	44		0.8	0.006	S14		\$9.05	High precision, micropower, Single Supply

Single Supply Op Amps

Part Number	Vos	TC of	IBIAS	GBW	Slew	AVOL	en	ISUPPLY	Supply Voltage	Rail	VOH ⁽²⁾	VOL ⁽²⁾	C-Load	Price					
	Max	Vos	Max		Min	Min													
	25°C	Max	0-70°C		Typ	25°C												0-70°C	
	(μV)	(μV/°C)	(nA)		MHz	(V/μs)												(V/mV)	(nV/ Hz)
Duals (Continued)																			
LT2179	150	3	6	0.06	0.013	110	49	0.021		2.3	44		0.8	0.009	S14		\$6.30	High precision, micropower, Single Supply	
LT2179A	100	2.2	5	0.06	0.013	140	49	0.018		2.3	44		0.8	0.009	S14		\$9.60	High precision, micropower, Single Supply	
LT6204	500	9	7000	100	18	70	1.9	3		2.5	12.6	yes	0.075	0.03	S14/G16		\$4.50	Low Power and Ultralow Noise	
LT6551				90	300			10		3	12.6	out	0.3	0.03	MS10		\$1.95	3V RGB+Sync Driver with fixed voltage gain of 2	
LTC1053	5	0.05	0.065	2.5	4	1000	0.4μVPP	1.5		4.75	16.5		0.5	0.5	N14/SW18		\$7.50	Zero drift, no external capacitors	
LTC2052	3	0.03	0.05	3	2	562	1.5μVPP	1.1	S/D	2.7	12		0.02	0.02	S14/GN16		\$3.65	Lowest offset, 7.5kHz internal sampling	

Notes: [Author - former notes - keep?]
1. Rail-to-Rail I/O Yes = Input Common Mode range includes both Supply Rails and the Output swings to both Supply Rails
2. VOH = How close the Output swings to the positive Rail
VOL = How close the Output swings to the negative Rail
3. S/D = Shutdown