Gil's Opamp List

7/8/2020 22:11

Part #	(P if avail) LTSPICE	Ch	Pkg	(P if avail) $/100	Have	Type	Supply	(V) Vmin	(V) Vmax	(mA/amp Iq	(MHz) GBW	(V/us) SR	(dB) AvOL	(uV typ @25C) Vos	(pA typ) Ibias	(nV/VHz) (@1Hz) en	(nV/VHz) (@10Hz) en	(nV/VHz) (@100Hz) en	(nV/VHz) (@1KHz) en	(pA/VHz) (@1Hz) in	(pA/VHz) (@10Hz) in	(pA/VHz) (@100Hz in	(pA/VHz) (@1KHz) in	(%) THD	Phase Rev	R-R In	R-R Out	Notes
AD712JNZ	Y	2 (1,4)	P,S	$5.06	1	BIFET	Split	±4.5	±18	2.50	4.0	20.00	112	300	25	160.0	52.0	22.0	18.0				0.0100	0.000300	Y			low-Ibias, lowish-en noise (single: AD711, quad: AD713)
AD743JRZ-16	?	1	SOIC-16	$10.49	2P+2S	BIFET	Split	±4.8	±18	8.10	4.5	2.80	132	250	150	26.0	5.5	3.6	3.2	0.10	0.03	0.01	0.0080	0.000030	NR			ultra-low-en (for fet), dip is obsolete (also see ADA4625-x, OPA827)
AD797ANZ	G	1	P,S	$9.82	5P+2S	BIPOLAR	Split	±5	±18	8.20	110.0	20.00	134	25	250,000	4.8	1.7	1.0	0.9	16.00	6.00	2.40	1.8000	0.000100	?			ULTRALOW-en noise, low-offset, drives 50mA
AD823ANZ	Y	2	P,S	$6.85	2	JFET	Either	±1.5 or 3.0	±18 or 36	2.60	16.0	22.00	95	200	3	250.0	81.0	29.0	16.0				0.0010	0.000400	NR		Y	low-Ibias, kinda-low-en noise, pretty-low-offset, drives 15mA and 500pF
AD8397ARZ		2	S	$4.28	2	BIPOLAR	Either	±1.5 or 3.0	±12.6 or 25	9.00	69.0	53.00	88	1000	200,000			4.5 @ 100KHz				1.5 @ 100KHz		0.001500	?		Y	high output current (310mApk into 32Ω on +/-12)
AD8532ARZ		2 (1,4)	S,M,T,2,7	$0.88	4	CMOS	Single	+2.7	+6	0.75	3.0	5.00		4000	5				45.0		0.20	0.05	0.0400		NR	Y	Y	low-Ibias, drives 250mA! (low-volt-hdphone amp?) (single: AD8531, quad: AD8534)
AD8597ARZ	G	1 (2)	S	$4.19	4	BIPOLAR	Split	±5	±18	4.80	10.0	14.00	110	15	40,000	6.0	2.0	1.2	1.1	20.00	6.60	3.60	2.4000	0.000100	NR?			ULTRALOW-en noise, low-offset, drives 600Ω (dual: AD8599)
AD8599ARZ	G	2 (1)	S	$5.85	4	BIPOLAR	Split	±5	±18	4.80	10.0	14.00	110	15	40,000	6.0	2.0	1.2	1.1	20.00	6.60	3.60	2.4000	0.000100	NR?			ULTRALOW-en noise, low-offset, drives 600Ω (single: AD8597)
AD8616ARZ	?	2 (1,4)	S,M,T,2	$2.51	2	CMOS	Single	+2.7	+5	1.70	24.0	12.00	124	23	0		65.0	21.0	10.0				0.0500	0.002000	NR+	Y	Y	Ibias=200fA, drives 150mA (single: AD8615, quad: AD8618)
AD8672ARZ	?	2 (1,4)	S,M,T	$3.27	0	BIPOLAR	Split	±5	±15	3.00	10.0	4.00	136	20	3,000		2.8	2.8	2.8	9.00	3.00	0.90	0.30		NR			superlow-en flat to about 2Hz, drives 1000 pF (single AD8671, quad: AD8674)
AD8676ARZ	?	2 (1)	S,M	$3.15	5	BIPOLAR	Split	±5	±18	2.50	10.0	2.50	126	12	2,000	6.5	3.5	2.9	2.8		0.30				?		Y	superlow-en noise (single: AD8675)
AD8692ARZ	?	2 (1,4)	S,M,T,2,7	$1.40	2	CMOS	Single	+2.7	+6	0.95	10.0	5.00	108	400	0	120.0	40.0	12.0	8.0				0.0500	0.000600	?		Y	Ibias=200fA (single: AD8691, quad: AD8694)
ADA4001-2ARZ	?	2	S	$2.29	10	JFET	Split	±4.5	±18	2.00	16.7	25.00	112	500	20	30.0	13.0	10.0	7.7				0.0030	0.000060	NR		Y	high output current
ADA4004-1ARZ	?	1 (2,4)	S,2	$3.44	0	BIPOLAR	Split	±5	±15	1.70	12.0	2.70	112	40	40,000	3.2	2.0	1.8	1.8	10.00	3.50	1.10	1.1000		NR			ULTRALOW-en noise, low-offset, drives 10 mA (dual: ADA4004-2, quad: ADA4004-4)
ADA4004-2ARZ	?	2 (1,4)	S,M	$4.80	5	BIPOLAR	Split	±5	±15	1.70	12.0	2.70	112	40	40,000	3.2	2.0	1.8	1.8	10.00	3.50	1.10	1.1000		NR			ULTRALOW-en noise, low-offset, drives 10 mA (sngl: ADA4004-1, quad: ADA4004-4)
ADA4075-2ARZ	?	2	S	$1.58	10	BIPOLAR	Split	±4.5	±18	1.80	6.5	12.00	117	200	30,000	9.0	3.3	2.9	2.8	5.10	2.00	1.20	1.2000	0.000200	NR			superlow-en noise
ADA4084-1ARZ		1 (2,4)	S,M	$2.96	2	BIPOLAR	Either	±1.5 or 3.0	±15 or 30	0.60	15.9	3.70		30	140,000		9.2	4.5	3.9				0.5500	0.003000	NR	Y	Y	low-voltage, low-offset, low-noise (dual: ADA4084-2, quad: ADA4084-4)
ADA4084-2ARZ		2 (1,4)	S,M	$5.17	2	BIPOLAR	Either	±1.5 or 3.0	±15 or 30	0.60	15.9	3.70		30	140,000		9.2	4.5	3.9				0.5500	0.003000	NR	Y	Y	low-voltage, low-offset, low-noise (single: ADA4084-1, quad: ADA4084-4)
ADA4625-1ARDZ	Y	1	S	$6.58	2	JFET	Either	±2.5 or 5	±18 or 36	4.00	12.0	44.00	140	15	15	14.0	5.5	3.6	3.3				0.0050	0.000300	NR+	~	Y	ultra-low-en (for fet), low-Ibias, drives 600Ω and 1000 pF (similar to much cheaper bipolar LM4562, LME49720, OPA1602) (dual: ADA4625-2) (also see AD743, OPA827)
ADA4625-2ARDZ	Y	2	S	$8.05	2	JFET	Either	±2.5 or 5	±18 or 36	4.00	12.0	44.00	140	15	15	14.0	5.5	3.6	3.3				0.0050	0.000300	NR+	~	Y	ultra-low-en (for fet), low-Ibias, drives 600Ω and 1000 pF (similar to much cheaper
ADA4692-2ARZ	?	2 (4)	S,T	$1.23	0	CMOS	Either	±1.35 or 2.7	±2.5 or 5	0.18	3.6	1.10	110	500	0	210.0	80.0	35.0	16.0					0.003000	?		Y	Ibias=500fA (quad: ADA4692-4)
ADTL082ARZ	?	2 (4)	S,M,T	$0.90	10	JFET	Split	±4	±15	1.20	5.0	20.00	106	1500	2	77.0	25.0	18.0	16.0					0.001000	?			improved TL082 (quad: ADTL084) (also see LF353, LF412, TL072)
GET					GET																							
LF353P		2	P,S	$0.31	4	JFET	Split	±3.5	±18	1.80	3.0	13.00	106	5000	50				18.0				0.0100		YCM			a classic, cheap, LF353N ~same (also see ADTL082, LF412, TL072)
LF412CP		2(1)	P,S	$0.94	3	JFET	Split	±3.5	±18	2.30	3.0	13.00	106	1000	50				18.0				0.0100	0.020000	YCM			a classic (also see ADTL082, LF353, TL072B) (single: LF411) (LF412CN: lower power, higher en)
LM1458N		2	P,S	$0.68	8	BIPOLAR	Split	±2.5	±18	1.50	0.9	0.50	106	1000	200,000				30.0						?			a classic (~single: ancient uA741, ~quad: LM348) (use RC4558, also see MC1458)
LM2904P	G	2 (4)	P,S,V	$0.22	100	BIPOLAR	Single	+3	+32	0.40	0.7	0.30	100	3000	20,000				40.0					0.015000	?			cheap, low-voltage (~quad: LM2902, LM324)
LM348N		4	P,S	$0.30	50	BIPOLAR	Split	±4	±18	0.60	1.0	0.50	104	1000	30,000										?			a classic (~single: ancient uA741, ~dual: LM1458)
LM358AN		2 (4)	P,S,V,T	$0.30	72	BIPOLAR	Single	+3	+36	0.40	1.2	0.50	100	3000	10,000				40.0					0.001000	?			a classic, cheap, low-voltage (quad: see LM324)
LM4562NA	GX	2	P,S	$1.11	18	BIPOLAR	Split	±2.5	±17	5.00	55.0	20.00	140	100	10,000	26.0	8.0	3.6	2.7	8.40	3.20	1.90	1.6000	0.000030	?			price/perf, Hi-Fi, superlow-en noise, low-offset, drives 600Ω (also see LME49720 = identical/pricier, LME49860, LME4972x, OPA1602)
LM6142BIN		2	P,S	$3.08	2	BIPOLAR	Single	+1.8	+24	0.80	10.0	13.00	100	2500	300,000	50.0	24.0	18.0	16.0	1.20	0.40	0.22	0.2200	0.003000	N	Y	Y	very-low-voltage, kinda-low-en noise, drives 1000-pF (quad: LM6144) (also see LM6132/LM6152)
LM6171BIN		1	P,S	$2.80	4	BIPOLAR	Split	±2.25	±17	2.50	100.0	3600.00	90	1500	1,000,000	33.0	18.0	15.0	12.0	4.40	2.10	1.20	1.0000		?			a classic, very-high GBW/SR, kinda-low-en noise, drive 80mA into 10Ω
LM6172IN		2	P,S	$3.56	4	BIPOLAR	Split	±2.25	±18	2.30	100.0	3000.00	86	400	1,200	33.0	18.0	15.0	12.0	4.40	2.10	1.20	1.0000	0.000600	?			a classic, very-high GBW/SR, kinda-low-en noise, drives 50mA (headphone amp?)
LM6211MF	?	1	2	$2.10	0	CMOS	Single	+5	+24	1.05	17.0	5.50	110	100	0	100.0	34.0	13.0	6.0				0.0100	0.010000	?	~	Y	Ib=500fA, low-offset, pretty-low noise
LM7171BIN	?	1	P,S	$2.36	2	BIPOLAR	Split	±2.25	±18	6.50	200.0	4100.00	85	200	3,000,000	390.0	85.0	36.0	21.0	30.00	10.10	4.70	2.0000		?			outputs 100mA
LM833N	GX	2	P,S	$0.55	10	BIPOLAR	Split	±5	±18	2.50	15.0	7.00	110	300	500,000		7.0	4.7	4.5		1.30	0.80	0.7000	0.002000	?			a classic, cheap, low-noise (also see MC33078, NE5532, RC4580, TS522, TL972)
LMC6462BIN		2 (4)	P,S	$3.43	1	CMOS	Single	+3	+15.5	0.06	0.1	0.02	110	3000	10				80.0				0.0300		?	Y	Y	low-voltage/current, low-Ibias, drives 200pF, soic is cheaper (also see LMC6442 and LMC6482) (quad is LMC6464)
LMC662AIN		2 (4)	P,S	$1.33	2	CMOS	Single	+4.75	+15.5	0.40	1.4	1.10	110	3000	0		90.0	40.0	22.0				0.0002	0.010000	?	~	Y	Ibias=2fA, drives 600Ω (also see LPC662) (quad: LMC660)
LME49720NA		2	P,S	$1.97	2	BIPOLAR	Split	±2.5	±17	5.00	55.0	20.00	140	100	10,000	26.0	8.0	3.3	2.7	8.40	3.20	1.90	1.6000	0.000030	?			Hi-Fi, superlow-en noise, low-offset, drives 600? (also see LM4562=identical/cheaper, LME49860, LME4972x, OPA1602) (similar LME49724 is differential)
LME49721MAX		2	S	$1.04	3	BIPOLAR	Single	+2.2	+5.5	2.20	20.0	8.50	118	300	0				4.0				0.0040	0.000100	?	Y	Y	price/perf, Hi-Fi, Ibias=40fA, low-en noise (no graph), low-voltage, drives 600Ω (also see LME49726, LM4562=LME49720, LME4972x, LM4562, LME49720, OPA1602)
LME49723MAX	G	2	S	$1.04	3	BIPOLAR	Split	±2.5	±17	3.40	19.0	8.00	105	300	200,000	27.0	9.0	4.1	3.2		1.30		0.7000	0.000200	?			price/perf, Hi-Fi, superlow-en noise, drives 600Ω (also see LME4972x, LM4562, OPA1602) (similar quad: LME49743)
LME49860MAX		2	S	$2.81	2	BIPOLAR	Split	±2.5	±22	5.00	55.0	20.00	140	120	10,000	24.0	8.0	3.5	2.7	8.00	3.10	1.90	1.6000	0.000030	?			Hi-Fi, superlow-en noise, drives 600Ω, dip is obsolete (also see LM4562=LME49720, LME4972x, OPA1602) (just higher-volt version of LME49720?)
LMP7715MF	?	1 (2)	2,V	$1.32	4	CMOS	Single	+1.8	+5	1.00	14.0	9.00	99	20	0	100.0	30.0	10.0	6.0				0.0100	0.001000	?		Y	Ib=50fA, low-offset, low-voltage, pretty-low noise (dual: LMP7716)
LMP7721MA	?	1	S*	$3.86	0	CMOS	Single	+1.8	+5	1.30	17.0	11.00	120	50	0	120.0	40.0	13.0	7.0				0.0100	0.000700	?		~	super-low-Ib=3fA, low-offset, low-voltage, pretty-low noise, non-std pinout
LMP7731MA	?	1	S,2	$1.33	2	BIPOLAR	Single	+1.8	+5.5	2.20	22.0	2.40	130	9	1,000	4.0	3.1	3	2.9	8.00	2.90	1.30	1.1000	0.002000	?	Y	Y	superlow-en noise
LMP7732MA		2 (1)	S,V,2	$2.16	4	BIPOLAR	Single	+1.8	+5	4.40	22.0	2.40	130	6	1,500	5.0	3.1	3.0	2.9	10.50	6.00	1.70	1.1000	0.002000	?	Y	Y	superlow-en noise, low-offset, low-voltage, drives 45mA (single: LMP7731)
LMP8672MA	~	2 (1,4)	S	$4.69	2	BIPOLAR	Split	±2.5	±20	6.30	55.0	20.00	135	100	10,000	23.0	9.0	3.2	2.5	9.00	3.20	2.00	1.6000	0.000030				superlow-en noise, low-offset, drives 26mA (single LMP8671, quad: LMP8674)
LMV751M5		1	2	$1.54	2	CMOS	Single	+2.7	+5	0.50	4.5	2.00	120	50	2	50.0	16.0	8.0	7.0				0.0100		?	~	~	low-Ibias, low-offset, low-noise, drives 1000-pF, drives 8mA
LMV797MM		2 (1)	V,2	$1.26	2	CMOS	Single	+1.8	+5.5	1.10	14.0	8.50	92	100	0	100.0	29.0	10.0	5.8				0.0100	0.010000	?	~	Y	Ibias=100fA, low-offset, low-voltage, pretty-low noise, drives 60mA (low-voltage headphone amp?) (single: LMV796)
LP2904DR		2	S	$0.85	0	BIPOLAR	Single	+3	+32	0.03	0.1	0.05	100	2000	2,000										?	~		low-voltage/current
LPC662AIN		2 (4)	S		0	CMOS	Single	+5	+15	0.05	0.4	0.11	120	3000	0		115.0	50.0	42.0				0.0002	0.010000	?	~	Y	Ibias=2fA, low-current (also see LMC662) (quad: LPC660)
LT1007CN8	?	1	P,S	$2.52	4	BIPOLAR	Split	±2.5	±20	2.80	8.0	2.50	146	20	15,000	4.0	2.8	2.5	2.5		1.50	0.55	0.4000		?			superlow-en/in noise, low-offset, drives 600Ω (LT1037 decomp for Av>5)
LT1012DN8	?	1	P,S	$2.12	0	BIPOLAR	Split	±1.2	±20	0.38	1.0	0.20	126	12	30	25.0	17.0	15.0	14.0	0.07	0.02	0.01	0.0060		?			low-power OP07
LT1013CP	Y	2	P,S	$3.43	4	BIPOLAR	Single	+5	+30	0.40	0.7	0.40		90	18,000	35.0	22.0	20.4	20.2		0.07				SDS	~	~	low-offset, soic much cheaper
LT1028CN8	Y	1	P,S	$5.63	4	BIPOLAR	Split	±2.5	±20	8.20	50.0	11.00		20	30,000	1.6	1.0	0.9	0.9		4.70	1.60	1.0000		?			ULTRALOW-en noise, low-offset, G>=-1 & G>=+2 stable (LT1128 has lower GBW/SR, G>=+1 stable)
LT1037CN8	Y	1	P,S	$2.52	6	BIPOLAR	Split	±2.5	±20	2.80	60.0	15.00		20	15,000	4.0	2.8	2.5	2.5		1.50	0.55	0.4000		?			superlow-en/in noise, low-offset, drives 600Ω, DECOMPENSATED for Av>5 (LT1007 is compensated w/ lower GBW/SR)
LT1097CN8	~	1	P,S	$2.07	0	BIPOLAR	Split	±1.2	±20	0.35	0.7	0.20	128	10	40	22.0	16.0	15.0	14.0	0.10	0.03	0.01	0.0080		?			improved OP07
LT1113CN8	Y	2	P,S	$4.18	2	JFET	Split	±5	±20	5.30	5.6	3.90	130	550	320	50.0	17.0	6.2	4.5				0.0100	0.000600	NR+			low-en noise, drives 1000pF (~single: LT1792)
LT1115CN8	Y	1	P	$3.45	4	BIPOLAR	Split	±2.5	±20	8.50	70.0	15.00		50	50,000	1.7	1.0	1.0	0.9		4.70	1.80	1.2000	0.002000	?			ULTRALOW-en noise, low-offset
LT1677CN8	Y	1	P,S	$2.85	2	BIPOLAR	Either	±1.5 or 3.0	±18 or 36	2.60	7.2	2.50	120	35	2,000	12.0	5.2	3.2	3.2		1.20	0.40	0.3000	0.000600	NR+		Y	low-noise, low-offset, low-voltage
LT1792CN8	Y	1	P,S	$2.99	2	JFET	Split	±5	±20	4.20	5.6	3.40	132	400	300	28.0	8.3	4.9	4.2				0.0100	0.000600	NR+			low-en noise, drives 1000pF (~dual: LT1113)
LT6221CS8	?	2 (1,4)	S,T,2	$2.20	2	BIPOLAR	Either	±1.1 or 2.2	±6.3 or 12.6	1.00	60.0	20.00	100	70	15,000		22.0	12.0	10.0		1.70	1.10	0.8000		NR+	Y	Y	drives 50mA (single: LT6220, quad: LT6222)
LTC6078CM	Y	2 (4)	M,T	$1.98	0	CMOS	Single	+2.7	+5.5	0.06	0.8	0.05		7	0	75.0	30.0	19.0	18.0				0.0006		?	Y	Y	Ibias=200fA, kinda-low-en noise, low-voltage/current, very-low-offset (quad is LTC6079)

LTC6241CS8	Y	2 (1,4)	S,T,2	$1.66	2	CMOS	Single	+2.8	+6	1.80	18.0	10.00		40	0	52.0	16.0	8.0	7.0				0.0006		?		Y	Ibias=200fA, in=0.6fA@1K THEN RISES, pretty-low-en noise, low-voltage, low-offset (single: LTC6240, quad: LTC6242) (in ltspice) (alse see OPA2376)
MC1458P		2	P,S	$0.29	6	BIPOLAR	Split	±5	±15	1.70	1.0	0.50	106	1000	80,000				45.0						?			a classic, cheap, noisy (use RC4558, also see LM1458)
MC33072DR2G		2	S,T	$0.31	1	BIPOLAR	Single	+3	+44	1.60	4.5	13.00	100	1000	100,000		55.0	35.0	32.0		2.10	0.70	0.2200	0.020000	YCM			a classic, cheap, low-voltage, dip is obsolete
MC33078P		2	P,S,M,V	$3.43	26	BIPOLAR	Split	±5	±18	2.00	16.0	7.00	110	150	300,000		9.0	5.0	4.5		1.00	0.50	0.3000	0.001000	?			a classic, was-cheap-now-going-obsolete?, low-noise, pretty-low-offset (also see LM833, NE5532, RC4580, TS522, TL972)
MC33272ADR2G		2	S	$0.59	1P	BIPOLAR	Either	±1.5 or 3.0	±18 or 36	2.20	24.0	10.00	100	100	300,000		24.0	19.0	18.0		1.30	0.60	0.5000	0.003000	?			a classic, low-voltage, low-offset, kinda-low-en noise, dip is obsolete
NE5532AP	GN	2	P,S	$0.72	24	BIPOLAR	Split	±5	±15	4.00	10.0	9.00	100	500	200,000		16.0	8.0	5.0		1.38	1.00	1.0000		?			a classic, price/perf, low-noise, drives 600Ω, NE5532A part has max-noise specs (also avail as SA5532) (also see LM833, MC33078, RC4580, TS522, TL972) (~dual: NE5534)
NJM2068DD		2	P	$0.40	29	BIPOLAR	Split	±4	±18	2.50	27.0	6.00	120	300	150,000									0.001000	YCM			cheap, fast, unknown-noise
NJM2122D		2	P	$1.15	14	BIPOLAR	Split	±2	±7	3.50	12.0	2.40	100	1000	3,600,000	4.0	1.9	1.5	1.5					0.003000	?			ULTRALOW-en noise, cheap for low noise, crazy Ibias
NJM4556ADD		2	P	$0.51	37	BIPOLAR	Split	±2	±18	4.50	8.0	3.00	100	500	50,000	20.0	10.0	10.0	10.0						?			cheap, pretty-low-en noise, unknown-in noise, drives 70 mA into 150Ω (maybe headphone driver but high-Ib?)
NJM4560DD		2	P,S	$0.47	80P+50S	BIPOLAR	Split	±4	±18	2.20	10.0	4.00	100	500	40,000	500.0	20.0	16.0	14.0						?			obsolete, can drive 20Vpp into 400Ω
NJM4562DD		2	P	$0.74	50	BIPOLAR	Split	±4	±18	1.80	8.0		110	500	100,000										?			obsolete, drives 600Ω, noise said to be low, needs A>10? (cheap alt for LM4562?)
NJM4565DD		2	P	$0.38	14	BIPOLAR	Split	±4	±18	2.50	4.0	4.00	100	500	50,000		22.0	14.0	10.0						YCM			cheap, pretty-low-en noise, unknown-in noise
NJM4580DD		2	P,M	$0.48	56	BIPOLAR	Split	±2	±18	3.00	15.0	5.00	110	300	0	15.0	5.0	4.3	4.3					0.000500	YCM			cheap, Ibias=100fA, low-en-noise, unknown-in noise, high out current (headphone driver?) (also see RC4580, LM833, MC33078, NE5532, TS522, TL972)
NJM5532DD		2	P	$0.78	4	BIPOLAR	Split	±3	±22	4.50	10.0	8.00	100	500	200,000	33.0	10.0	6.0	5.0				0.7000	0.001000				low-noise, drives 600Ω
OP07DNZ	Y	1	P,S	$1.15	5	BIPOLAR	Split	±3	±18	2.70	0.6	0.30	120	60	1,800	22.0	11.5	10.2	9.8		0.35	0.15	0.1300		?			a classic, low-noise, low-offset (can be nulled)
OP200GPZ		2	P	$7.85	6	BIPOLAR	Split	±3	±18	0.60	0.5	0.15	126	25	100	35.0	24.0	15.0	11.0	1.00	0.40	0.40	0.4000		?			very-low-offset, kinda-low-en noise, drives 0.01uF
OP275GPZ		2	P,S	$3.19	7	BIFET	Split	±4.5	±18	5.00	9.0	22.00	108	1000	100,000				6.0		2.90	1.30	0.8000	0.000600	YCM			low-noise, drives 600Ω
OP27GPZ	Y	1	P	$3.57	16	BIPOLAR	Split	±4	±20	3.30	8.0	2.80	120	30	15,000	5.8	3.4	3.2	3.2		1.70	0.60	0.4000		?			a classic, superlow-en noise, very-low-offset (G params shown; B: en=3.0-6.0 and Vos=20; PMI: GBW=5, SR=1.7)
OPA1602AID	G	2 (4)	S,M,T	$2.26	2	BIPOLAR	Split	±2.25	±18	2.60	35.0	20.00	120	100	20,000	14.0	5.5	3.0	2.5	11.00	4.30	2.20	1.8000	0.000030	?		Y	BB, SoundPlus, superlow-en noise, low-offset, high output current (quad: OPA1604) (also see LM4562=LME49720, LME49860, LME4972x)
OPA1611AID	G	1 (2)	S	$3.60	4	BIPOLAR	Either	±2.25 or 4.5	±18 or 36	3.60	40.0	27.00	130	100	60,000	7.4	2.6	1.5	1.1	11.00	3.00	1.90	1.7000	0.000015	NR		Y	ULTRALOW-en noise, ultralow distortion, low-offset, drives 30mA (dual: OPA1612)
OPA1612AIDR	G	2 (1)	S	$5.17	6	BIPOLAR	Either	±2.25 or 4.5	±18 or 36	3.60	40.0	27.00	130	100	60,000	6.0	2.0	1.5	1.1	11.00	3.00	1.90	1.7000	0.000015	NR		Y	ULTRALOW-en noise, ultralow distortion, low-offset, drives 30mA (single: OPA1611)
OPA1622IDRCR	?	2	VSON-10	$4.22	1	BIPOLAR	Split	±2	±18	2.60	32.0	10.00	136	100	1,200	31.0	10.0	4.0	2.8	7.00	2.50	1.00	0.8000	0.000100	NR			SoundPlus, HiFi, low-noise, VSON-only, standby in, drives 32Ω and 600pF at 100-mW for headphones
OPA1642AID	G	2 (1,4)	S,V	$1.70	33	JFET	Either	±2.25 or 4.5	±18 or 36	1.80	11.0	20.00	134	1000	2	15.0	8.0	5.8	5.1				0.0008	0.000050	NR+		Y	SoundPlus, low-Ibias, low-en noise, ultralow distortion (single: OPA1641, quad: OPA1644)
OPA1652AID	G	2 (4)	S,M,T	$1.61	12	CMOS	Either	±2.25 or 4.5	±18 or 36	2.00	18.0	10.00	114	500	10	120.0	34.0	11.0	4.5				0.0030	0.000050	NR+		Y	price/perf, SoundPlus, low-Ibias, low-en noise BUT HIGH CORNER, ultralow distortion, drives 30mA (headphone amp?) (quad: OPA1654)
OPA1656IDR	?	2	S	$1.84	35	CMOS	Either	±2.25 or 4.5	±18 or 36	3.90	53.0	24.00	150	500	10	120.0	34.0	11.0	4.3				0.0060	0.000150	NR+		Y	new BB, en=2.9@10KHz (lower than OPA1652) (also see OPA1652/1678/1688/2134)
OPA1662AID	G	2 (4)	S,M,T	$1.59	12	BIPOLAR	Either	±1.5 or 3.0	±18 or 36	1.50	22.0	17.00	114	500	600,000	6.3	3.6	3.3	3.3	20.00	7.00	2.00	1.0000	0.000060	NR+		Y	price/perf, BB, SoundPlus, low-Ibias, in=XfA@1K, superlow-en noise, ultralow distortion, drives 30mA (headphone amp?) (quad: OPA1664)
OPA1671IDCKT	G	1	7	$0.87	4	CMOS	Either	±0.85 or 1.7	±2.75 or 5.5	0.94	13.0	5.00	113	250	10	175.0	55.0	20.0	7.0				0.0047	0.000350	NR+	Y	Y	price/perf, low-Ibias, decent-en noise BUT HIGH CORNER, ultralow distortion
OPA1678IDR	G	2 (4)	S,V	$0.44	102	CMOS	Either	±2.25 or 4.5	±18 or 36	2.00	16.0	9.00	114	500	10	120.0	35.0	12.0	4.5				0.0030	0.000100	NR+		Y	cheap, low-Ibias, low-en noise BUT HIGH CORNER (quad: OPA1679), ultralow distortion (see LM833 etc.)
OPA1688IDR	G	2 (4)	S	$1.06	110	CMOS	Either	±2.25 or 4.5	±18 or 36	1.65	10.0	8.00	130	250	10	120.0	34.0	14.0	8				0.0018	0.000350	NR+	~	Y	BB, SoundPlus, low-Ibias, decent-en noise BUT HIGH CORNER (quad: OPA1689) (headphone amp?)
OPA1692IDR	?	2	S,V	$1.15	4	BIPOLAR	Either	±1.75 or 3.5	±18 or 36	0.65	5.1	23.00		250	300,000	7.3	5.0	4.5	4.2	1.10	0.50	0.40	0.3700	0.000050	NR+		Y	SoundPlus, drives 50mA
OPA211AIDR	G	1	S,V	$5.41	4	BIPOLAR	Either	±2.25 or 4.5	±18 or 36	3.60	45.0	27.00	114	30	60,000	7.7	2.7	1.4	1.1	11.00	3.20	1.90	1.7000	0.000015	NR+		Y	ULTRALOW-en noise, low-offset, drives 30mA
OPA2130UA	G	2 (1,4)	S	$4.81	2	JFET	Split	±2.25	±18	0.60	1.0	2.00	120	200	5	96.0	33.0	18.0	16.0				0.0040		NR?			BB, low-Ibias, in=4fA@1K THEN RISES, pretty-low-offset, kinda-low-en noise (single: OPA130, quad: OPA4130)
OPA2132PA	G	2	P,S	$4.99	1	JFET	Split	±2.5	±18	4.00	8.0	20.00	130	500	5	84.0	26.0	11.0	8.0				0.0030	0.000080	NR?			BB, low-Ibias, in=3fA@1K THEN RISES, low-en noise BUT HIGH CORNER, ultralow-distortion, low-offset (single: OPA132)
OPA2134PA	G	2	P,S	$3.52	11	JFET	Split	±2.5	±18	4.00	8.0	20.00	120	500	5	85.0	27.0	12.0	8.0				0.0030	0.000080	NR+		~	a classic, BB, SoundPlus, low-Ibias, in=3fA@1K THEN RISES, low-en noise BUT HIGH CORNER, low-offset, decent current drive (headphone driver?), ultralow-distortion (single: OPA134)
OPA2137PA	GN	2 (1,4)	P,S,M,2	$1.63	0	JFET	Either	±2.25 or 4.5	±18 or 36	0.20	1.0	3.50	94	2500	4	60.0	45.0	45.0	45.0				0.0012	0.050000	NR+			BB, low-Ibias (single: OPA137, quad: OPA4137)
OPA2171AIDR	G	2 (1,4)	S,T,V,2	$1.20	12	CMOS	Either	±1.35 or 2.7	±18 or 36	0.48	3.0	1.50	130	250	8	200.0	65.0	25.0	14.0					0.000200	NR+	~	Y	low-Ibias, drives 300pF (single: OPA171, quad: OPA4171)
OPA2192IDR	G	2 (1,4)	S,V,T,2	$3.00	2	CMOS	Either	±2.25 or 4.5	±18 or 36	1.00	10.0	20.00	134	5	5	88.0	27.0	10.0	6.0				0.0015	0.000080	NR+	Y	Y	low-Ibias, very-low-offset, low-en noise but depends on Vcm (single: OPA192, quad: OPA4192)
OPA2209AIDR		2 (1,4)	S,M,T,2	$2.83	11	BIPOLAR	Either	±2.25 or 4.5	±18 or 36	2.50	18.0	6.40	132	35	1,000	8.0	3.3	2.3	2.2	1.60	0.65	0.50	0.5000	0.000025	NR+		Y	superlow-en/in noise, low-offset, decent output current (single: OPA209, quad: OPA4209)
OPA2227PA	G	2 (1,4)	P,S	$4.03	4	BIPOLAR	Split	±2.5	±18	3.70	8.0	2.30	160	10	2,500	6.9	3.7	3.2	3.0	6.50	2.00	0.80	0.4000	0.000050	NR?			BB, low-Ibias, superlow-en/in noise, very-low-offset (single: OPA227, quad: OPA4227)
OPA2277PA	G	2 (1,4)	P,S	$3.70	2	BIPOLAR	Either	±2 or 4	±18 or 36	0.79	1.0	0.80	134	10	500	17.5	9.3	8.1	8.0	0.50	0.24	0.20	0.2000	0.002000	NR?			a classic, very-low-offset and noise, drives 2KΩ and 1500pF, (single: OPA277, quad: OPA4277)
OPA2313ID		2 (1,4)	S,M,T,2,7	$0.98	2	CMOS	Either	±0.9 or 1.8	±2.75 or 5.5	0.05	1.0	0.50	110	500	0	125.0	50.0	30.0	25.0				0.0050	0.004500	NR+	Y	Y	Ibias=200fA, very-low-voltage/current (sngl: OPA313, quad: OPA4313)
OPA2314AID	GN	2 (1,4)	S,V,T,2,7	$1.10	2	CMOS	Either	±0.9 or 1.8	±2.75 or 5.5	0.15	3.0	1.50	100	500	0		50.0	17.0	14.0				0.0050	0.001000	NR+	Y	Y	Ibias=200fA, very-low-voltage, lowish-en noise (single: OPA314, quad: OPA4314)
OPA2316IDR		2 (1,4)	S,M,T,2,7	$1.07	4	CMOS	Either	±0.9 or 1.8	±2.75 or 5.5	0.40	10.0	6.00	96	500	5	210.0	64.0	21.0	11.0				0.0013	0.000800	NR+	Y	Y	very-low-voltage, lowish-en noise (w/shutdown: OPA2316S, single: OPA316, quad: OPA4316)
OPA2340PA	G	2 (1,4)	P,S,V,2	$3.43	0	CMOS	Single	+2.7	+5.5	0.80	5.5	6.00	114	150	0	500.0	160.0	65.0	25.0				0.0030	0.000700	?		Y	OPA340, quad: OPA4340)
OPA2348AIDR	G	2 (1,4)	S,V,T,2,7	$0.70	3	CMOS	Single	+2.1	+5.5	0.05	1.0	0.50	98	1000	1	880.0	270.0	70.0	33.0				0.0040	0.002300	?	Y	Y	Ibias=500fA, in=4fA@1K RISING (corner at ~400), low-voltage/current (single: OPA348, quad: OPA4348)
OPA2350UA		2 (1,4)	P,S,T,V	$3.18	2	CMOS	Either	±1.35 or 2.7	±2.75 or 5.5	5.20	38.0	22.00	120	150	1		300.0	50.0	17.0			4fA @ 10KHz		0.000600	?	Y	Y	
OPA2365AIDR	?	2 (1)	S,2	$1.67	0	CMOS	Single	+2.2	+5.5	4.60	50.0	25.00	120	100	0		110.0	35.0	13.0			4fA @ 10KHz		0.000400	?	Y	Y	Ibias=200fA, zero-crossover-distortion (single: OPA365)
OPA2376AIDR	G	2 (1,4)	S,V,T,2,7	$1.68	100+	CMOS	Single	+2.2	+5.5	0.80	5.5	2.00	126	5	0	54.0	17.0	9.0	7.5				0.0020	0.000270	?	Y	Y	gil-favorite, Ibias=200fA, low-en noise BUT HIGH CORNER, very-low-offset, low-voltage (alt OPA2377, TLV2376) (single: OPA376, quad: OPA4376)
OPA2377AIDR	GN	2 (1,4)	S,M,T,2,7	$1.06	25	CMOS	Single	+2.2	+5.5	0.76	5.5	2.00	126	1000	0	54.0	17.0	9.0	7.5				0.0020	0.000270	?	~	Y	price/perf, Ibias=200fA, low-en noise BUT HIGH CORNER, low-voltage (high-offset alt to OPA2376) (also see TLV2376) (single: OPA377, quad: OPA4377)
OPA2604AP	GN	2	P		4	JFET	Split	±4.5	±24	5.50	20.0	25.00	100	1000	100	65.0	25.0	15.0	11.0				0.0060	0.000300	?			obsolete, BB, lowish-en noise, drives 600Ω
OPA2727AIDR	?	2 (1,4)	S,M,T	$1.76	2	CMOS	Either	±2 or 4	±6 or 12	4.30	20.0	30.00	120	15	85		130.0	60.0	23.0				0.0025	0.000300	?	~	~	BB, low-offset, low in, crap en, drives 40mA (single: OPA727, quad: OPA4727)
OPA604AP	GN	1	P	$2.43	2	JFET	Split	±4.5	±24	5.50	20.0	25.00	100	1000	100	65.0	25.0	15.0	11.0				0.0060	0.000300	?			BB, lowish-en noise, drives 600Ω
OPA827AID	?	1	S,V	$8.08	2	JFET	Split	±4	±18	4.80	22.0	28.00	126	75	3	18.0	7.2	4.4	4.0				0.0022	0.000040	NR+			ultra-low-en (for fet) (also see AD743, ADA4625-x)
RC4558P		2	P,S,T	$0.21	100	BIPOLAR	Split	±5	±15	1.30	3.0	1.70	109	500	150,000		10.0	8.0	8.0						?			a classic, cheap, pretty-low-en noise, unknown-in noise (also see LM1458, MC1458)

RC4560IP		2	P,S	$0.57	2	BIPOLAR	Split	±2	±16	2.20	15.0	5.50	100	500	40,000									0.050000	?			unknown-noise, drives 400Ω
RC4580IP		2	P,S	$0.73	4	BIPOLAR	Split	±2	±16	3.00	12.0	5.00	110	500	100,000		8.5	7.0	6.5					0.000500	?			price/perf, low-en-noise, unknown-in noise, high out current (maybe headphone driver but high Ib?) (also see NJM4580, LM833, MC33078, NE5532, TS522, TL972)
TL072ACP	GN	2 (1,4)	P,S,T	$0.64	26	JFET	Split	±5	±15	1.40	3.0	13.00	106	3000	65		44.0	26.0	18.0				0.0100	0.003000	YCM			a classic, good for general audio, kinda-low-en noise, drives ~3KΩ, (B ver is lower offset) (also see TLE2072, TLC072 (single: TL071x, quad: TL074x)
TL972IP	G	2 (1,4)	P,S,M,T,2	$0.55	100	BIPOLAR	Single	+2.7	+12	2.00	12.0	5.00	80	1000	200,000	180.0	56.0	18.0	5.0					0.003000	?		Y	cheap, low-en noise BUT HIGH CORNER, unknown-in noise, low-voltage (single: TL971, quad: TL974)
TLC072AIP		2 (1,4)	P,S,M,T	$1.68	11	BIMOS	Single	+4.5	+12	1.90	10.0	16.00	120	400	2		30.0	12.0	7.0				0.0060	0.012000	?			a classic, low-Ibias=1.5pA, low-en noise, high output current (also see TL072, TLE2072) (single: TLC071x, quad: TLC074x)
TLC2272ACP	G	2 (4)	P,S,T	$3.43	2	LINMOS	Either	±2.2 or 4.4	±8 or 16	2.40	2.0	3.60	91	300	1	160.0	50.0	17.0	9.0				0.0006	0.004000	?		Y	low-Ibias (improves TLC272) (quad: TLC2274)
TLC272BIP	?	2	P,S	$1.02	4	LINCMOS	Single	+2.7	+8	0.70	2.0	3.00	87	230	0	370.0	130.0	48.0	25.0						?			Ibias=600fA
TLE2072ACP		2 (1,4)	P,S	$3.12	2	BIFET	Split	±2.25	±19	1.50	9.0	35.00	100	650	15		28.0	17.0	13.0				0.0028	0.008000	?			low-Ibias, in=2.8fA@10K, kinda-low-en noise (non-A ver is 900uV offset) (also see TL072, TLC072) (single: TLE2071, quad: TLE2074)
TLE2082ACP		2 (1,4)	P,S	$2.46	0	BIFET	Split	±2.25	±19	1.50	9.0	35.00	100	650	15		28.0	17.0	13.0				0.0028	0.013000	?			cheaper than similar TLE2072, low-Ibias, in=2.8fA@10K, kinda-low-en noise (non-A ver is 900uV offset) (also see TL072, TLC072) (single: TLE2081, quad: TLE2084)
TLE2142IDR	G	2 (1,4)	P,S,T	$2.06	2	BIPOLAR	Split	±2	±22	3.30	5.9	27.00	107	220	800,000	50.0	19.0	13.0	11.0	6.00	2.00	0.80	0.5000	0.010000	SDS		Y	pretty-low-en noise, drives 0.01uF (single: TLE2141, quad: TLE2144)
TLV2262AIP		2 (4)	P,S,T	$3.43	0	LINCMOS	Single	+3	+16	0.40	0.7	0.55		300	1				12.0				0.0006		?	~	Y	(quad is TLV2264)
TLV2376IDR	G	2 (1,4)	S,V,T,2	$1.18	10	CMOS	Single	+2.2	+5.5	0.80	5.5	2.00	126	40	0	52.0	17.0	9.0	8.0				0.0020	0.000500	?	Y	Y	price/perf, Ibias=300fA, low-en noise BUT HIGH CORNER, low-voltage, low-offset (alt to OPA2376) (also see OPA2377) (single: TLV376, quad: TLV4376)
TLV2462CP	?	2 (1,4)	P,S,M,T,2	$1.85	2	JFET	Either	±1.35 or 2.7	±3 or 6	0.50	6.4	1.60	90	500	4,400		23.0	16.5	11.5				0.1300	0.006000	?	Y	Y	low-voltage, low-power, kinda-low-en-noise, drives 80mA (single: TLV2460, quad: TLV2464)
TLV9052IDR		2 (1,4)	S,V,T,2,7	$0.45	5	CMOS	Single	+1.8	+5.5	0.30	5.0	15.00	108	330	2		120.0	50.0	20.0				0.0200	0.000600	NR+	Y	Y	low-Ibias, in=18fA@1K, very-low-voltage (single: TLV9051, quad: TLV9054)
TS522IDT		2	P,S	$0.48	2	BIPOLAR	Split	±2.5	±15	4.00	15.0	7.00	100	900	250,000		15.0	5.0	4.5				0.5000	0.002000	?		~	cheap, low-noise (also see LM833, MC33078, NE5532, RC4580, TL972)
uA741CP		1	P,S		2	BIPOLAR	Split	±5	±15	1.70	1.0	0.50	106	1000	80,000										?			a classic (~dual: LM1458, ~quad: LM348)

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Orn is favorite
Grn is nice
Yel is interesting
Blu is special

Red is obsolete

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P=PDIP, S=SOIC,
M=MSOP, V=VSSOP,
2=SOT23, 5=SOT553
7=SC70

^

0.0001% = 1ppm = 20log(0.0001/100) = -120dB
0.001% = 10ppm = 20log(0.001/100) = -100dB
0.01% = 100ppm = 20log(0.01/100) = -80dB

^

NR = no reversal to rails
NR+ = no reversal to a bit above rails
RCM = reversal beyond common-mode
SDS = see data sheet