



Low Noise Amplifiers Ad Selection Table

Analog Devices Low Noise Amplifier Selection Table

Part #	V _{SY}	V _{OS} Max	BW	Slew Rate	I _{SY} / AMP max	e _N @ 1 kHz	I _B max	CMRR min	PSRR min	# Amps	Package	Pricing	Samples
	(V)	(μ V)	(MHz)	(V/ μ s)	(mA)	(nV/ \sqrt Hz)	(nA)	dB	dB				
Precision Op Amps													
AD797	10 to 36	40	8	20	10.5	0.9	900	120	120	1	PDIP / SOIC	\$4.74	Order Samples
AD8599	9 to 36	120	10	15	5.7	1.07	180	120	120	2	SOIC	\$3.20	Order Samples
ADA4004-4	10 to 36	140	12	2.7	1.8	1.8	85	105	110	4	SOIC / LFCSP	\$3.06	Order Samples
AD8676	10 to 36	50	10	2.5	2.7	2.8	2	105	106	2	SOIC / MSOP	\$1.64	Order Samples
AD8675	10 to 36	75	10	2.5	2.7	2.8	2	105	120	1	SOIC / MSOP	\$1.17	Order Samples
OP27	8 to 44	25	8	2.8	5.7	3	40	114	100	1	TO-99 / CerDIP / PDIP / SOIC	\$1.18	Order Samples
OP37	8 to 44	25	12	17	5.7	3	40	114	100	1	CerDIP / PDIP / SOIC	\$1.13	Order Samples
OP270	9 to 36	75	5	2.4	3.25	3.2	20	106	110	2	CerDIP / PDIP / SOICW	\$2.77	Order Samples
OP470	9 to 36	400	6	2	2.75	3.2	25	100	105	4	CerDIP / PDIP / SOICW	\$4.38	Order Samples
AD743	9.6 to 36	1000	4.5	2.8	10	3.2	400	80	90	1	SOIC / PDIP	\$5.26	Order Samples
AD745	9.6 to 36	500	20	12.5	10	3.2	250	90	100	1	SOIC	\$5.01	Order Samples
AD8671	10 to 36	75	10	4	3.5	2.8	12	100	110	1	SOIC / MSOP	\$1.05	Order Samples
AD8672	10 to 36	75	10	4	3.5	2.8	12	100	110	2	SOIC / MSOP	\$1.70	Order Samples
AD8674	10 to 36	75	10	4	3.5	2.8	12	100	110	4	SOIC / TSSOP	\$3.20	Order Samples
OP184	3 to 36	65	3.25	2.4	1.45	3.9	450	86	76	1	SOIC	\$1.64	Order Samples
OP284	3 to 36	65	3.25	2.4	1.45	3.9	450	86	76	2	PDIP / SOIC	\$2.97	Order Samples
OP484	3 to 36	75	3.25	2.4	1.45	3.9	450	86	76	4	PDIP / SOIC	\$4.95	Order Samples
AD8655	2.7 to 6	250	28	11	4.5	4	0.01	85	88	1	SOIC / MSOP	\$0.70	Order Samples
AD8656	2.7 to 6	250	28	11	4.5	4	0.01	85	88	2	SOIC / MSOP	\$1.10	Order Samples
OP113	4 to 36	75	3.4	1.2	3	4.7	600	96	100	1	SOIC	\$1.74	Order Samples
OP213	4 to 36	100	3.4	1.2	3	4.7	600	96	100	2	PDIP / SOIC	\$2.08	Order Samples
OP413	4 to 36	125	3.4	1.2	3	4.7	600	96	100	4	SOIC	\$4.47	Order Samples
SSM2135	4 to 36	2000	3.5	0.9	3	5.2	750	87	90	2	SOIC	\$2.57	Order Samples

OP285	9 to 44	250	9	22	2.5	6	350	80	85	2	SOIC	\$2.37	Order Samples
AD8610	10 to 27	100	25	50	3	6	0.01	90	100	1	SOIC / MSOP	\$3.71	Order Samples
AD8620	10 to 27	150	25	50	3	6	0.01	90	100	2	SOIC	\$7.41	Order Samples
OP275	9 to 44	1000	9	22	2.5	6	350	80	85	2	SOIC / PDIP	\$0.99	Order Samples
OP467	9 to 36	500	28	170	2.5	6	600	80	96	4	CerDIP / PDIP / SOIC / LCC	\$7.39	Order Samples
OP471	9 to 36	2500	6.5	8	2.75	6.5	60	95	95	4	SOIC	\$4.87	Order Samples
OP1177	5 to 36	60	1.3	0.7	0.5	7.9	2	120	120	1	SOIC / MSOP	\$0.80	Order Samples
OP2177	5 to 36	75	1.3	0.7	0.5	7.9	2	120	120	2	SOIC / MSOP	\$1.51	Order Samples
OP4177	5 to 36	75	1.3	0.7	0.5	7.9	2	120	120	4	SOIC / TSSOP	\$3.56	Order Samples

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Part #	V _{SY}	BW	Slew Rate	Noise	Distortion SFDR @ BW		V _{OS} max	I _B max	I _{SY} / AMP typ	Dis-able	Package	Pricing	Samples
	(V)	(MHz)	(V/μs)	(nV/√Hz)	(dBc)	(MHz)	(mV)	(μA)	(mA)				
High Speed Op Amps													
AD8099	4.5 to 12	510	1350	0.95	-84	10	0.5	2	15	•	LFCSP / SOIC	\$1.98	Order Samples
ADA4899-1	4.5 to 12	600	310	1	-80	10	0.23	1	14.7	•	LFCSP / SOIC	\$1.89	Order Samples
ADA4898-1	±15	65	50	0.9	-93	500	0.1	0.4	8	•	8-lead SOIC-EP	1.89	Order Samples
ADA4841-1 ADA4841-2	2.7 to 12	80	12	2.1	-105	0.1	0.3	5.3	1.1	•	SOT-23 / MSOP / SOIC	\$1.59 \$2.29	Order Samples
AD8021	4.5 to 24	205	150	2.1	-93	1	1	10.5	7	•	SOIC / MSOP	\$1.29	Order Samples
AD8022	4.5 to 26	130	50	2.5	-95	1	6	5	4		SOIC / MSOP	\$2.35	Order Samples
AD8045	3.3 to 12	1000	1350	3	-90	20	1	6.3	16		LFCSP / SOIC	\$1.39	Order Samples
Differential Amplifiers													
ADA4937-1 ADA4937-2*	3 to 5.25	1900	6000	2.2	-102	10	2.5	30	39.5	•	LFCSP / SOIC	\$3.79	Order Samples
ADA4938-1* ADA4938-2*	4.5 to 11	1500	4700	2.2	-102	10	1	3.5	40	•	LFCSP / SOIC	\$3.79	Order Samples
ADA4922-1	5 to 26	38	260	12 RTO	-99	0.1	1.1	3.5	9.4		LFCSP / SOIC	\$3.59	Order Samples
ADA4941-1	2.7 to 12	32	26	10.2 RTO	-109	0.1	0.1	4.5	2.5		LFCSP / SOIC	\$2.39	Order Samples
AD8139	4.5 to 12	410	800	2.25	-98	1	0.5	8	24.5		LFCSP / SOIC	\$3.59	Order Samples

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*Preliminary Data

Part #	V _{SY}	Gain Setting	BW kHz	Gain Min	Gain Max	Min CMRR	Min CMRR	Vnoise RTI	Package	Pricing	Samples
	(V)	Method	G=10			60Hz Min Gain	60Hz Max Gain	1-10Hz μ V p-p			
Instrumentation Amps											
AD8220	4.6 to 36	Resistor	800	1	1000	78dB	94dB	0.8	MSOP	\$2.29	Order Samples
AD8221	4.6 to 36	Resistor	562	1	1000	80dB	130dB	0.25	MSOP, SOIC	\$1.99	Order Samples
AD8222	4.6 to 36	Resistor	750	1	10000	80dB	130dB	0.25	LFCSP	\$3.59	Order Samples
AD8224	4.6 to 36	Resistor	800	1	1000	78dB	94dB	0.8	LFCSP	\$4.12	Order Samples
AD8250	10 to 34	Pin; Software	3000	1	10	80dB	98dB	1	MSOP	\$4.95	Order Samples
AD8251	10 to 34	Pin; Software	2500	1	8	80dB	98dB	1.2	MSOP	\$4.95	Order Samples
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Part #	V _{SY}	Gain Control	-3dB BW	Gain Min	Gain Max	No. of Chan.	Spectral	Supply	Gain Accuracy	1dB	Package	Pricing	Samples
	(V)		MHz G=10	dB	dB		Noise nV/ \sqrt Hz	Current Max		Comp Point dBm			
Variable Gain Amps													
AD8331	4.5 to 5.5	Analog	120	-4.5	+43	1	0.74	25mA	+0.5	7	QSOP	\$5.39	Order Samples
AD8332	4.5 to 5.5	Analog	120	-4.5	+43.5	2	0.74	58mA	+0.5	7	TSSOP, CSP	\$10.44	Order Samples
AD8334	4.5 to 5.5	Analog	100	-4.5	+43.5	4	0.74	116mA	+0.5	7	LFCSP	\$14.49	Order Samples
AD8335	4.5 to 5.5	Analog	70	-10	+38	4	1.3	76mA	\pm 0.2	7	LFCSP	\$12.00	Order Samples
AD8336	\pm 3 to \pm 12	Analog	115	-14	+46	1	3	25mA	\pm 0.5	11	LFCSP	\$4.59	Order Samples
AD8337	4.5 to 10	Analog	280	0	+24	1	2.2	15mA	\pm 0.25	14.5	LFCSP	\$2.49	Order Samples
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