

## HIGH PERFORMANCE AMPLIFIER SELECTOR GUIDE

High Performance Amplifiers																	
Name	# of Ch	Power Down	Rail-to-Rail	Gmin (V/V)	BW @ Gmin (MHz)	G=2 BW (MHz)	SR (V/μs)	Is per Ch (mA)	Iout (mA)	en (nV/√Hz)	Vio Max (±) (mV)	AOL (dB)	THD (dBc)	Min Vs (V)	Min Vs (V)	Temp Range (°C)	Package
CLC1001	1	Yes	Out	10	284	N/A	410	12.5	130	0.6	1	83	74	4	12	-40 to +125	SOT23-6, SOIC-8
CLC1002	1	Yes	Out	5	290	N/A	170	13	130	0.6	1	83	65.5	4	12	-40 to +125	SOT23-6, SOIC-8
CLC1003	1	No	In / Out	1	55	25	12	2.2	80	3.5	1	115	123	2.5	12	-40 to +125	SOT23-5, SOIC-8
CLC1004	1	Yes	No	2	750	750	1,400	12	100	4	10	70	70	4.5	12	-40 to +85	SOT23-6
CLC1005	1	No	Out	1	260	90	145	4.2	55	16	8	78	70	2.5	5.5	-40 to +85	SOT23-5
CLC1006	1	No	No	2	500	500	1,400	5.5	100	5	10	61	62	4.5	12	-40 to +85	SOT23-5, SOIC-8
CLC1007	1	No	Out	1	250	85	220	2.6	100	16	7	92	75	2.7	12.6	-40 to +125	TSOT-5, SOIC-8
CLC1008	1	No	Out	1	75	35	50	0.505	15	12	5	80	60	2.5	5.5	-40 to +85	SOIC-8
CLC1009	1	No	Out	1	35	18	27	0.208	8.5	21	5	62	65	2.5	5.5	-40 to +85	SOT23-5, SOIC-8
CLC1010	1	No	Out	1	7.3	3.4	9	0.07	4	29	5	76	59	2.5	5.5	-40 to +85	SOT23-5, SOIC-8
CLC1014	1	No	No	2	750	750	1,400	12	100	4	10	70	70	4.5	12	-40 to +85	SOT23-5
CLC1020	1	No	Out	1	2	1	>1	0.13	60	39	7	80	110	2.7	5.5	-40 to +85	TSOT-5
CLC1050	1	No	No	1	0.33	0.3	0.285	0.65	40	40	5	100	76.5	3	36	-40 to +85	SOT23-5, SOIC-8
CLC1603	1	Yes	No	1	240	200	450	1.1	100	4	4	NS	55	4.5	12	-40 to +85	SOT23-6
CLC1605	1	No	No	1	1500	1200	2,500	12	120	3.7	10	NS	72	4.5	12	-40 to +85	SOT23-5
CLC1606	1	No	No	1	1300	1200	3,300	7.5	120	3	10	NS	68	4.5	12	-40 to +85	SOT23-5
XR8051	1	No	Out	1	175	65	190	2.6	100	16	7	92	75	2.7	12.6	-40 to +125	TSOT-5, SOIC-8
CLC2000	2	No	No	1	510	250	210	7	200	4.5	6	76	82	5	13	-40 to +85	SOIC-8
CLC2005	2	No	Out	1	260	90	145	4.2	55	16	8	78	70	2.5	5.5	-40 to +85	SOIC-8
CLC2007	2	No	Out	1	250	85	220	2.6	100	16	7	92	75	2.7	12.6	-40 to +125	SOIC-8
CLC2008	2	No	Out	1	75	35	50	0.505	15	12	5	80	60	2.5	5.5	-40 to +85	SOIC-8

High Performance Amplifiers																	
Name	# of Ch	Power Down	Rail-to-Rail	Gmin (V/V)	BW @ Gmin (MHz)	G=2 BW (MHz)	SR (V/μs)	Is per Ch (mA)	Iout (mA)	en (nV/√Hz)	Vio Max (±) (mV)	AOL (dB)	THD (dBc)	Min Vs (V)	Min Vs (V)	Temp Range (°C)	Package
CLC2009	2	No	Out	1	35	18	27	0.208	8.5	21	5	62	65	2.5	5.5	-40 to +85	SOIC-8
CLC2010	2	No	Out	1	7.3	3.4	9	0.07	4	29	5	76	59	2.5	5.5	-40 to +85	SOIC-8
CLC2011	2	No	In / Out	1	4.3	3	9	0.16	35	22	8	80	71	2.5	5.5	-40 to +85	SOIC-8, MSOP-8
CLC2023	2	No	In / Out	1	55	25	12	2.2	60	3.5	6	115	123	2.5	12	-40 to +125	SOIC-8
CLC2050	2	No	No	1	0.33	0.3	0.285	0.65	40	40	5	100	76.5	3	36	-40 to +85	SOIC-8
CLC2058	2	No	No	1	4.86	3.49	3	2.5	35	10	5	100	94	4	36	-40 to +85	SOIC-8
CLC2059	2	No	No	1	11.7	6.3	7	1.5	45	4	3	110	106	4	36	-40 to +85	SOIC-8
CLC2600	2	No	No	1	300	230	1,300	3.3	50	6.4	8	NS	79.5	8	12	-40 to +85	SOIC-8
CLC2601	2	No	No	1	550	335	1,500	5.2	52	7	7.5	NS	80	8	12	-40 to +85	SOIC-8
XR8052	2	No	Out	1	175	65	190	2.6	100	16	7	92	75	2.7	12.6	-40 to +125	MSOP-8, SOIC-8
CLC3600	3	No	No	1	300	230	1,300	3.3	50	6.4	8	NS	79.5	8	12	-40 to +85	SOIC-14
CLC3601	3	No	No	1	550	335	1,500	5.2	52	7	7.5	NS	80	8	12	-40 to +85	SOIC-14
CLC3603	3	Yes	No	1	240	200	450	1.1	100	4	4	NS	55	4.5	12	-40 to +85	SOIC-16
CLC3613	3	No	No	1	240	200	450	1.1	100	4	4	NS	55	4.5	12	-40 to +85	SOIC-14
CLC3004	3	Yes	No	2	750	750	1,400	12	100	4	10	70	70	4.5	12	-40 to +85	SOIC-16
CLC3605	3	Yes	No	1	1500	1200	2,500	12	120	3.7	10	NS	72	4.5	12	-40 to +85	SOIC-16
CLC4000	4	No	No	1	510	250	210	7	200	4.5	6	76	82	5	13	-40 to +85	SOIC-14, TSSOP-14
CLC4007	4	No	Out	1	250	85	220	2.6	100	16	7	92	75	2.7	12.6	-40 to +125	SOIC-14, TSSOP-14
CLC4011	4	No	In / Out	1	4.3	3	9	0.16	35	22	8	80	71	2.5	5.5	-40 to +85	SOIC-14
CLC4050	4	No	No	1	0.33	0.3	0.285	0.65	40	40	5	100	76.5	3	36	-40 to +85	SOIC-14
CLC4600	4	No	No	1	300	230	1,300	3.3	50	6.4	8	NS	79.5	8	12	-40 to +85	SOIC-14
CLC4601	4	No	No	1	550	335	1,500	5.2	52	7	7.5	NS	80	8	12	-40 to +85	SOIC-14
XR8054	4	No	Out	1	175	65	190	2.6	100	16	7	92	75	2.7	12.6	-40 to +125	SOIC-14, TSSOP-14