

Op Amp Selection Guide

Commercial Precision Op Amps

PART NUMBER	ELECTRICAL CHARACTERISTICS								IMPORTANT FEATURES	
	V _{OS} MAX (μV)	TC V _{OS} (μV/°C)	I _B MAX (nA)	A _{VOL} MIN (V/mV)	SLEW RATE MIN (V/μs)	NOISE MAX 10Hz (nV/√Hz)	PACKAGES AVAILABLE	MIL/IND TEMP		
DUAL										
LT1126AC	70	1.0	20	2000	8	5.5	N8	M, I	Dual Precision Op Amp, Low Noise, High Speed	
LT1126C	100	1.5	30	1500	8	5.5	J8, N8, S8	M, I		
LT1169A	1500	15	0.003	1200	2.4	17†	J8, N8, S8		Dual Low Noise, Picoampere Bias Current JFET Input Op Amp	
LT1169C	1800	20	0.005	1000	2.4	17†	J8, N8, S8			
LT1178AC	70	2.2	5	140	0.013	75	H, J8, N8		17μA Max, Single Supply, Precision Dual	
LT1178C	120	3.0	6	110	0.013	50†	H, J8, N8	I		
LT1211C	275	0.6	125	250	4	12.5	J8, N8, S8	M, I	Fast, Precise, Single Supply Op Amps. Industrial Temperature (-40°C to 85°C) Specs Included with Commercial Temperature Devices	
LT1211AC	150	0.5	100	250	4	12.5	J8, N8, S8	M, I		
LT1213C	275	0.6	200	250	8.5	10	J8, N8, S8	M, I		
LT1213AC	150	0.5	160	250	8.5	10	J8, N8, S8	M, I		
LT1215C	450	1.0	600	150	30	15	J8, N8, S8	M, I		
LT1215AC	300	0.8	500	150	30	15	J8, N8, S8	M, I		
LT1366C	475	6	35	500	0.12†	29†***	N8, S8	I		Rail-to-Rail Input and Output, Precision
LT1368C	475	6	35	500	—	29†***	N8, S8	I		Rail-to-Rail Input and Output, Precision, C-Load
LT1413AC	150	2	15	400	0.2	24†	N8	I	Dual Single Supply Precision Op Amp Optimized for 5V and GND	
LT1413C	280	2.5	18	350	0.2	24†	N8, S8	I		
LT1413S8	380	2.5	18	350	0.2	24†	S8	I		
LT1457AC	450	10	0.05	150	2	26†	N8	I	Dual Precision JFET Input Op Amp. C-Load Stable	
LT1457C	800	16	0.075	100	2	28†	N8, S8	I		
LF412AC	1000	10	0.1	100	10	20†*	H, J8, N8	M	High Performance Dual JFET Input Op Amp	
OP-215E	1000	10	0.1	150	10	20†**	H, J8, N8	M		
OP-215G	3000	20	0.2	50	8	20†**	H, J8, N8	M		
OP-227E	80	1.0	40	3000	1.7	6	J, N	M	Dual Matched OP-27	
OP-227G	180	1.8	80	2000	1.7	9	J, N	M		
OP-237E	80	1.0	40	3000	10	6	J, N	M	Dual Matched OP-37	
OP-237G	180	1.8	80	2000	10	9	J, N	M		
OP-270A	75	1	20	750	1.7	6.5	J	M	Dual Op Amp, Low Noise	
OP-270C	250	3	60	350	1.7	3.6†	N, S	M		
QUAD										
LT1014AC	180	2.0	20	1500	0.2	24†	J	M	Precision Quad Op Amp in 14-Pin Package	
LT1014C	300	2.5	30	1200	0.2	24†	J, N	M, I		
LT1014D	800	5.0	30	1200	0.2	24†	N, S			
LT1058AC	600	10	0.05	150	10	26†	J	M	Low Offset JFET Input Multiple Op Amps Combine High Speed and Excellent DC Specs	
LT1058C	1000	15	0.075	100	8	26†	J, N, S	M, I		
LT1079AC	120	2.0	8	250	0.07†	40	J, N	M	Micropower, Precision, Single Supply, Low Noise Quad	
LT1079C	150	2.5	10	200	0.07†	29†	J, N, S	M, I		
LT1114AC	60	0.50	0.25	1000	0.16	15†	J8, N8, S8	M, I	Low Power, Precision, Matching Specs	
LT1114C	75	0.75	0.28	800	0.16	15†	J8, N8, S8	M, I		
LT1125AC	90	1	20	2000	3	5.5	N	M	Precision Quad Op Amp, Low Noise, High Speed	
LT1125C	140	1.5	30	1500	2.7	5.5	J, N, S	M, I		
LT1127AC	90	1.0	20	2000	8	5.5	N	M		
LT1127C	140	1.5	30	1500	8	5.5	N, J, S	M, I		
LT1179AC	100	2.2	5	140	0.013	75	J, N		17μA Max, Single Supply, Precision Quad	
LT1179C	150	3.0	6	110	0.013	50†	J, N	I		
LT1212C	275	6	125	250	4	12.5†	N, S	I	Fast, Precise, Single Supply Op Amps. Industrial Temperature (-40°C to 85°C) Specs Included with Commercial Temperature Devices	
LT1214C	275	6	200	250	8.5	10†	N, S	I		
LT1216C	450	10	600	150	30	15†	N, S	I		
LT1367C	800	6	35	500	0.12†	29†***	N8, S8	I		
LT1369C	800	6	35	500	—	29†***	N, S	I	Rail-to-Rail Input and Output, Precision Can Handle 0.1μF C-Load	
LTC1053C	5	0.05	0.05	1000	4†	0.4μVp-p**	N, S	I	Quad, Precision Auto Zeroed Op Amp. No External Capacitors Required	
OP-470A	400	2	25	500	1.4	6.5	J	M	Quad Op Amp, Low Noise	
OP-470C	1000	2†	60	400	1.4	6.5	N, S			

† Typical spec * 100Hz noise ** DC to 1Hz noise *** 1kHz noise NOTE: See page 4-3 for DESC cross reference numbers