

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	
SINGLE									
LT1001AC	25	0.6	2.0	450	0.15	18	H, J8, N8	M	Extremely Low Offset Voltage, Low Noise, Low Drift
LT1001C	60	1.0	3.8	400	0.15	18	H, J8, N8, S8	M	
LT1006AC	50	1.3	15	1000	0.25	24†	H, J8	M	Single Supply Operation, Fully Specified for 5V Supply
LT1006C	80	1.8	25	700	0.25	24†	H, J8, N8	M	
LT1006S8	400	3.5	25	700	0.25	25	S8		
LT1007AC	25	0.6	35	7000	1.7	4.5	H, J8, N8	M	Extremely Low Noise, Low Drift
LT1007C	60	1.0	55	5000	1.7	4.5	H, J8, N8, S8	M, I	
LT1008C	120	1.5	0.1	200	0.1	30	H, N8	M, I	Low Bias Current, Low Power
LT1012C	25	0.6	0.1	300	0.1	30	H, N8	M, I	Low V _{OS} , Low Power, C-Load™ Stable
LT1012AC	50	1.5	0.15	200	0.1	30	H, N8	M	
LT1012D	60	1.7	0.15	200	0.1	30	H, N8		
LT1012S8	120	1.8	0.28	200	0.1	30	S8		
LT1022AC	250	5.0	0.05	150	23	50	H	M	Very High Speed JFET Input Op Amp with Very Good DC Specs
LT1022C	600	9.0	0.05	120	18	60	H	M	
LT1022CN8	1000	15.0	0.05	100	18	60	N8		
LT1028AC	40	0.8	90	7000	11	1.7	H, J8, N8	M	Lowest Noise, High Speed, Low Drift
LT1028C	80	1.0	180	5000	11	1.9	H, J8, N8, S8	M	
LT1037AC	25	0.6	35	7000	11	4.5	H, J8, N8	M	Extremely Low Noise, High Speed
LT1037C	60	1.0	55	5000	11	4.5	H, J8, N8, S8	M, I	
LT1055AC	150	4	0.05	150	10	50	H	M	Lowest Offset, JFET Input Op Amp Combines High Speed and Precision
LT1055C	400	8	0.05	120	7.5	60	H	M	
LT1055CN8	700	12	0.05	120	7.5	60	N8		
LT1055S8	1500	15	0.1	120	7.5	70	S8		
LT1056AC	180	4	0.05	150	12	50	H	M	
LT1056C	450	8	0.05	120	9	60	H	M	
LT1056CN8	800	12	0.05	120	9	60	N8		
LT1056S8	1500	15	0.1	120	9.0	70	S8		
LT1077AC	40	0.4	9	250	0.12	40	H, J8, N8	M, I	Micropower, Single Supply, Precision, Low Noise
LT1077C	60	0.4	11	200	0.12	29†	H, J8, N8	M, I	
LT1077S8	150	3.0	11	240	0.05	28†	S8		
LT1097C	50	1.0	0.25	700	0.1	16†	N8	I	Low Cost, Low Power Precision, C-Load Op Amp
LT1097S8	60	1.4	0.35	700	0.1	16†	S8	I	
LT1115C	280	0.5 (Typ)	380	2000	10	1.8	N8, S		Lowest Noise, Ultra Low Distortion Audio Optimized Op Amp
LT1128AC	40	1.0	90	7000	5.0	1.7	J8, N8, S8	M, I	Lowest Noise, High Speed, Precision
LT1128C	80	1.0	180	5000	4.5	1.9	J8, N8, S8	M, I	
LTC1049C	10	0.1	0.050	3162	0.8†	1.0μV _{p-p} **	J8, N8	M, I	Auto Zeroed Precision Op Amp, No External Capacitors Required
LTC1050AC	5	0.05	0.035	3162	4†	0.6μV _{p-p} **	H, J8, N8, S8	M, I	
LTC1050C	5	0.05	0.050	1000	4†	0.6μV _{p-p} **	H, J8, N8, S8	M, I	
LTC1052C	5	0.05	0.03	1000	3†	0.5μV _{p-p} **	H, N8, N	M, I	Low Noise, Auto Zeroed Precision Op Amp
LTC7652C	5	0.05	0.03	1000	3†	0.5μV _{p-p} **	H, N8	M, I	
LTC1150C	5	0.05	0.03	10000	3†	0.6μV _{p-p} **	H, J8, N8, S8	M, I	Auto Zeroed Precision Op Amp That Operates on Standard ±15V Supplies. No External Capacitors Required
LTC1152C	10	0.1	0.1	316	1†	0.5μV _{p-p}	N8, S8		Rail-to-Rail Input and Output, Auto Zeroed Precision Op Amp. C-Load Stable.
LTC1250C	10	0.05	0.02	10000	10†	0.3mV _{p-p} **	J8, N8, S8	M	Low Noise, Auto Zeroed Precision Op Amp

† Typical spec * 100Hz noise ** DC to 1Hz noise C-Load is a trademark of Linear Technology Corporation

NOTE: See page 4-3 for DESC cross reference numbers. Check data sheet for specifications on industrial and military temperature produced and surface mount.