

High Speed Op Amps

PART NUMBER	ELECTRICAL CHARACTERISTICS								IMPORTANT FEATURES
	MIN SLEW RATE (V/ μ s)	TYPICAL SETTling TIME TO 0.1 % (ns)	TYPICAL GAIN BANDWIDTH PRODUCT (MHz)	MIN A_{VOL} (V/mV)	MAX V_{OS} (mV)	MAX I_B (μ A)	PACKAGES AVAILABLE	MIL/IND TEMP	
DUAL									
LT1205C	180	30 ^{†††}	150		30	5	S16		Dual Version of LT1203 2:1 Video MUX
LT1207C	400		60	0.6	10	5/60 ^{††}	S16		Dual Version of LT1206 CFA
LT1208C	250	90	45	3.3	3	8	N8, S8		45MHz, 450V/ μ s Dual C-Load
LT1211C	5	2200	14	1200	0.55	0.12	J8, N8, S8	M	14MHz, 7V/ μ s Single Supply Precision Dual
LT1211AC	5	2200	14	1200	0.4	0.095	J8, N8, S8	M	
LT1213C	10	1100	28	1200	0.55	0.19	J8, N8, S8	M	28MHz, 12V/ μ s, Single Supply Precision Dual
LT1213AC	10	1100	28	1200	0.4	0.15	J8, N8, S8	M	
LT1215C	40	480	23	1000	0.65	0.55	J8, N8, S8	M	23MHz, 50V/ μ s, Single Supply Precision Dual
LT1215AC	40	480	23	1000	0.5	0.5	J8, N8, S8	M	
LT1229C	300	45	100	0.6	10	3/50 ^{††}	J8, N8, S8	M	Fast Slew Rate, Current Feedback Architecture
LT1253C	250		90	0.560	15	15/100 ^{††}	N8, S8		Low Cost Video Amplifier
LT1259C	900	75	130	0.71	10	3/60 ^{††}	N14, S14		Low Cost 130MHz Dual CFAs with Individual Shutdowns
LT1352C	120	700	3	40	0.6	0.05	N8, S8		250 μ A, 3MHz, 200V/ μ s Dual C-Load
LT1355C	200	230	12	12	0.8	0.3	N8, S8		1mA, 12MHz, 400V/ μ s Dual C-Load
LT1358C	300	115	25	20	0.6	0.5	N8, S8		2mA, 25MHz, 600V/ μ s Dual C-Load
LT1361C	600	60	50	4.5	1	1	N8, S8		4mA, 50MHz, 800V/ μ s Dual C-Load
LT1364C	750	50	70	4.5	1.5	2	N8, S8		6mA, 70MHz, 1000V/ μ s Dual C-Load
TRIPLE									
LT1260C	900	75	130	0.71	10	3/60 ^{††}	N16, S16		Low Cost 130MHz Triple CFAs with Individual Shutdowns
QUAD									
LT1125AC	3		12.5	5000	0.09	0.02	J14, N14	M	Quad, Low Noise, Precision
LT1125C	2.7		12.5	3000	0.14	0.03	J14, N14, S16	M	Quad, Low Noise, Precision
LT1127AC	8		45 ($A_V \geq 10$)	5000	0.09	0.02	J14, N14	M	$A_V = 10$, Quad, Low Noise, Precision
LT1127C	8		45 ($A_V \geq 10$)	3000	0.14	0.03	J14, N14, S16	M	$A_V = 10$, Quad, Low Noise, Precision
LT1209C	250	90	45	3.3	3	8	N14, S16		45MHz, 450V/ μ s Quad C-Load
LT1212C	5	2200	14	1200	0.55	0.12	N14, S16		14MHz, 7V/ μ s Single Supply Precision Quad
LT1214C	10	1100	28	1200	0.55	0.19	N14, S16		28MHz, 12V/ μ s, Single Supply Precision Quad
LT1216C	40	480	23	1000	0.65	0.55	N14, S16		23MHz, 50V/ μ s, Single Supply Precision Quad
LT1230C	300	45	100	0.6	10	3/50 ^{††}	J14, N14, S14	M	Fast Slew Rate, Current Feedback Architecture
LT1254C	250		90	0.560	15	15/100 ^{††}	N14, S14		Low Cost Video Amplifier
LT1311C	80 [†]	145	12	10	0.5	20	S14		Quad I/V for Optical Disk Drives
LT1353C	120	700	3	40	0.6	0.05	N8, S8		250 μ A, 3MHz, 200V/ μ s Quad C-Load
LT1356C	200	230	12	12	0.8	0.3	N14, S16		1mA, 12MHz, 400V/ μ s Quad C-Load
LT1359C	300	115	25	20	0.6	0.5	N14, S16		2mA, 25MHz, 600V/ μ s Quad C-Load
LT1362C	600	60	50	4.5	1	1	N14, S16		4mA, 50MHz, 800V/ μ s Quad C-Load
LT1365C	750	50	70	4.5	1.5	2	N14, S16		6mA, 70MHz, 1000V/ μ s Quad C-Load

[†]Typical value *10V step, to 1mV at sum node. **Maximum value, 10V step, to 1mV at sum node. ***3V Step

^{††}Current feedback amplifier. I_B is noninverting input/inverting input

^{†††}1% settling