SINGLE INTERNALLY COMPENSATED OPERATIONAL AMPLIFIERS

Commercial Temperature Range (0°C to 70°C)

I_{IB} nA	V_{IO} mV	I_{IO} nA	A_{VD} V/mV	B_1 MHz	SR V/μs	I_{CC} mA	V_{CC} V		DESCRIPTION	DEVICE	PACKAGES	PAGE
MAX	MAX	MAX	MIN	TYP	TYP	MAX	MIN	MAX				
250	7.5	50	25	1	0.5	3	±2	±18	High Performance	LM307	J, JG, N, P	62
500	10	200	25	15	70	10		±20	High Performance	LM318	JG, N, P	73
1,500	4	300	25	10	13	8	±3	±22	Low Noise			
									V_n = 4 nV/$\sqrt{Hz}$ Typ	NE5534	JG, P	105
1,500	4	300	25	10	13	8	±3	±22	Low Noise			
									V_n = 4.5 nV/$\sqrt{Hz}$ Max	NE5534A	JG, P	105
0.2	6	0.1	4	1	3.5	0.25	±1.5	±18	BIFET, Low Power	TL061AC	JG, P	115
0.2	3	0.1	4	1	3.5	0.25	±1.5	±18	BIFET, Low Power	TL061BC	JG, P	115
0.4	15	0.2	3	1	3.5	0.25	±1.5	±18	BIFET, Low Power	TL061C	JG, P	115
0.2	6	0.1	4	1	3.5	0.25	±1.5	±18	BIFET, Low Power with Power Control	TL066AC	JG, P	123
0.2	3	1	4	1	3.5	0.25	±1.5	±18	BIFET, Low Power with Power Control	TL066BC	JG, P	123
0.4	15	2	3	1	3.5	0.25	±1.5	±18	BIFET, Low Power with Power Control	TL066C	JG, P	123
0.2	6	0.05	50	3	13	2.5	±3.5	±18	BIFET, Low Noise			
									V_n = 18 nV/$\sqrt{Hz}$ Typ	TL071AC	JG, P	131
0.2	3	0.05	50	3	13	2.5	±3.5	±18	BIFET, Low Noise			
									V_n = 18 nV/$\sqrt{Hz}$ Typ	TL071BC	JG, P	131
0.2	10	0.05	25	3	13	2.5	±3.5	±18	BIFET, Low Noise			
									V_n = 18 nV/$\sqrt{Hz}$ Typ	TL071C	JG, P	131
0.2	6	0.1	50	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL081AC	JG, P	139
0.2	3	0.1	50	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL081BC	JG, P	139
0.4	15	0.2	25	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL081C	JG, P	139
0.4	0.5	0.2	25	3	13	2.8	±4	±18	BIFET, Low V_{IO}	TL087C	JG, P	147
0.4	2	0.2	25	3	13	2.8	±4	±18	BIFET, Low V_{IO}	TL088C	JG, P	147
250	7	50	25	1	0.5	1.0	+3	+32	General Purpose,	TL321C	JG, P	151
500	6	200	20	1	0.5	2.8	±2	±18	General Purpose	uA741C	J, JG, N, P	173

TEXAS INSTRUMENTS
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DUAL OPERATIONAL AMPLIFIERS

Commercial Temperature Range (0°C to 70°C)

I_{IB} nA	V_{IO} mV	I_{IO} nA	A_{VD} V/mV	B_1 MHz	SR V/μs	I_{CC} mA	V_{CC} V		DESCRIPTION	DEVICE	PACKAGES	PAGE
MAX	MAX	MAX	MIN	TYP	TYP	MAX	MIN	MAX				
250	7	50	25	1	0.3	0.6	+3	+32	General Purpose	LM358	JG, P	71
500	6	200	20	1	0.6	2.8	±2	±18	General Purpose	MC1458	JG, P	85
800	4	150	25	10	9	8		±22	Low Noise			
									V_n = 5 nV/$\sqrt{Hz}$ Typ	NE5532	JG, P	93
800	4	150	25	10	9	8		±22	Low Noise			
									V_n = 5 nV/$\sqrt{Hz}$ Typ	NE5532A	JG, P	93
1500	4	300	25	10	13	8		±22	Low Noise			
									V_n = 4 nV/$\sqrt{Hz}$ Typ	NE5533	J, N	97
1500	4	300	25	10	13	8		±22	Low Noise			
									V_n = 3.5 nV/$\sqrt{Hz}$ Typ	NE5533A	J, N	97
500	6	200	20	3	1	2.8		±18	High Performance	RC4558	JG, P	103
250	5	80	1	0.5	0.5	0.125	±2	±18	Low Power	TL022C	JG, P	109
0.2	6	0.1	4	1	3.5	0.25	±1.5	±18	BIFET, Low Power	TL062AC	JG, P	115
0.2	3	0.1	4	1	3.5	0.25	±1.5	±18	BIFET, Low Power	TL062BC	JG, P	115
0.4	15	0.2	3	1	3.5	0.25	±1.5	±18	BIFET, Low Power	TL062C	JG, P	115
0.2	6	0.05	50	3	13	2.5	±3.5	±18	BIFET, Low Noise			
									V_n = 18 nV/$\sqrt{Hz}$ Typ	TL072AC	JG, P	131
0.2	3	0.05	50	3	13	2.5	±3.5	±18	BIFET, Low Noise			
									V_n = 18 nV/$\sqrt{Hz}$ Typ	TL072BC	JG, P	131
0.2	10	0.05	25	3	13	2.5	±3.5	±18	BIFET, Low Noise			
									V_n = 18 nV/$\sqrt{Hz}$ Typ	TL072C	JG, P	131
0.2	6	0.1	50	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL082AC	JG, P	139
0.2	3	0.1	50	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL082BC	JG, P	139
0.4	15	0.2	25	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL082C	JG, P	139
0.2	6	0.1	50	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL083AC	J, N	139
0.4	15	0.2	25	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL083C	J, N	139
0.4	0.5	0.1	25	3	13	2.8	±4	±18	BIFET, Low Offset	TL287C	JG, P	147
0.4	3	0.1	25	3	13	2.8	±4	±18	BIFET, General Purpose	TL288C	JG, P	147
500	10	50	20	1	0.6	4	+3	+36	General Purpose	TL322C	JG, P	153
500	6	200	25	1	0.5	2.8	±2	±18	General Purpose	uA747C	J, N	177

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QUADRUPLE OPERATIONAL AMPLIFIERS

Commercial Temperature Range (0°C to 70°C)

I_{IB} nA	V_{IO} mV	I_{IO} nA	A_{VD} V/mV	B_1 MHz	SR V/μs	I_{CC} mA	V_{CC} V		DESCRIPTION	DEVICE	PACKAGES	PAGE
MAX	MAX	MAX	MIN	TYP	TYP	MAX	MIN	MAX				
250	7	50	25	1	0.5	0.5	+3	+32	General Purpose	LM324	J, N	65
200	6	50	25	1	0.5	4.5		±18	General Purpose	LM348	J, N	67
200			1.2	2.5	0.5	10	+4.5	+32	General Purpose	LM3900	J, N	77
500	10	50	20	1	0.6	7	+3	+36	General Purpose	MC3403	J, N	89
500	6	200	20	3	1	2.8	±4	±18	High Performance	RC4136	J, N	101
250	5	80	1	0.5	0.5	0.125	±2	±18	Low Power	TL044C	J, N	112
0.2	6	0.1	4	1	3.5	0.25	±1.5	±18	BIFET, Low Power	TL064AC	J, N	115
0.2	3	0.1	4	1	3.5	0.25	±1.5	±18	BIFET, Low Power	TL064BC	J, N	115
0.4	15	0.2	3	1	3.5	0.25	±1.5	±18	BIFET, Low Power	TL064C	J, N	115
0.2	6	0.05	50	3	13	2.5	±3.5	±18	BIFET, Low Noise V_n = 18 nV/$\sqrt{Hz}$ Typ	TL074AC	J, N	131
0.2	3	0.05	50	3	13	2.5	±3.5	±18	BIFET, Low Noise V_n = 18 nV/$\sqrt{Hz}$ Typ	TL074BC	J, N	131
0.2	10	0.05	25	3	13	2.5	±3.5	±18	BIFET, Low Noise V_n = 18 nV/$\sqrt{Hz}$ Typ	TL074C	J, N	131
0.2	10	0.05	25	3	13	2.5	±3.5	±18	BIFET, Low Noise V_n = 18 nV/$\sqrt{Hz}$ Typ	TL075C	N	131
0.2	6	0.1	50	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL084AC	J, N	139
0.2	3	0.1	50	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL084BC	J, N	139
0.4	15	0.2	25	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL084C	J, N	139
0.4	15	0.2	25	3	13	2.8	±3.5	±18	BIFET, General Purpose	TL085C	N	139

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