

**AMPLIFIERS (continued)**  
**Single Operational Amplifiers (continued)**  
**Internally Compensated**

Device	$I_{IB}$ $\mu A$ Max	$V_{IO}$ mV Max	$TC_{VIO}$ $\mu V/^\circ C$ Typ	$I_{IO}$ nA Max	$A_{vol}$ V/mV Min	BW ( $A_V=1$ ) MHz Typ	SR ( $A_V=1$ ) V/ $\mu s$ Typ	Supply Voltage V		Description	Packages
								Min	Max		

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

LF351	200 pA	10	10	100 pA	25	4.0	13	$\pm 5.0$	$\pm 18$	JFET Input	626
LF355	200 pA	10	5.0	50 pA	50	1.0	5.0	$\pm 5.0$	$\pm 18$	JFET Input	601,626,693
LF355B	100 pA	5.0	5.0	20 pA	50	2.5	5.0	$\pm 5.0$	$\pm 22$	JFET Input	601,626,693
LF356	200 pA	10	5.0	50 pA	50	2.0	15	$\pm 5.0$	$\pm 18$	JFET Input	601,626,693
LF356B	100 pA	5.0	5.0	20 pA	50	5.0	12	$\pm 5.0$	$\pm 22$	JFET Input	601,626,693
LF357	200 pA	10	5.0	50 pA	50	3.0	75	$\pm 5.0$	$\pm 18$	Wideband FET Input	601,626,693
LF357B	100 pA	5.0	5.0	20 pA	50	20	50	$\pm 5.0$	$\pm 22$	JFET Input	601,626,693
LF411	200 pA	5.0	10	100 pA	25	4.0	15	$\pm 3.0$	$\pm 18$	High speed	626,751
LF411A	200 pA	2.0	10	100 pA	50	4.0	15	$\pm 3.0$	$\pm 22$	JFET Input	626,751
LF441	100 pA	5.0	20	50 pA	25	1.0	1.0	$\pm 3.0$	$\pm 18$	Single Bifet Low power	626,693,751
LF441A	50 pA	0.5	10	25 pA	50	1.0	1.0	$\pm 3.0$	$\pm 22$	Single Bifet Low power	626,693,751
LM11CL	200 pA	5.0	3.0	25 pA	50	1.0	0.3	$\pm 3.0$	$\pm 20$	Precision	626
MC1436	0.04	10	12	10	70	1.0	2.0	$\pm 15$	$\pm 34$	High Voltage	693,751
MC1456	0.03	10	12	10	70	1.0	2.5	$\pm 3.0$	$\pm 18$	High Performance	626
MC1733C	30	—	—	5.0 $\mu A$	80	90	—	$\pm 4.0$	$\pm 8.0$	Differential Wideband Video Amp	601,632,646
MC1741C	0.5	6.0	15	200	20	1.0	0.5	$\pm 3.0$	$\pm 18$	General Purpose	601,626,293,751
MC1741NC	0.5	6.0	15	200	20	1.0	0.5	$\pm 3.0$	$\pm 18$	Low Noise	626
MC1741SC	0.5	6.0	15	200	20	1.0	10	$\pm 3.0$	$\pm 18$	High Slew Rate	626
MC1776C	0.003	6.0	15	3.0	100	1.0	0.2	$\pm 1.5$	$\pm 18$	$\mu$ Power, Programmable	693,626,601,751
MC34001	200 pA	10	10	100 pA	25	4.0	13	$\pm 5.0$	$\pm 18$	JFET Input	601,626,693,751
MC34001A	100 pA	2.0	10	50 pA	50	4.0	13	$\pm 5.0$	$\pm 18$	JFET Input	601,626,693,751
MC34001B	200 pA	5.0	10	100 pA	50	4.0	13	$\pm 5.0$	$\pm 18$	JFET Input	601,262,693,751
MC34071	0.5	3.5	10	75	25	4.5	13	$+3.0$	$+44$	High Performance	626,693,751
MC34071A	0.5	1.5	10	50	50	4.5	13	$+3.0$	$+44$	Single Supply	626,693
MC33171	100 nA	4.5	10	20 nA	50	1.8	2.1	$+3.0$	$+44$	Micropower Single Supply	626,751
MC34081	200 pA	3.0	10	100 pA	25	10	40	$\pm 3.0$	$\pm 22$	High speed	601,626,693
MC34081A	200 pA	2.5	10	100 pA	50	10	40	$\pm 3.0$	$\pm 22$	JFET Input	601,626,693
MC34080	200 pA	3.0	10	100 pA	25	16	50	$\pm 3.0$	$\pm 22$	Decompensated	601,626,693
MC34080A	200 pA	2.5	10	100 pA	50	16	50	$\pm 3.0$	$\pm 22$	MC34081 $A_{vcl} \geq 2$	601,626,693
MC34181	200 pA	1.0	10	100 pA	25	4.0	15	—	$\pm 22$	Single Micropower High speed	626,693
OP-27EP	0.040	0.025	0.2	35	1000	8.0	2.8	$\pm 4.0$	$\pm 22$	Low Noise, Precision	626
OP-27FP	0.055	0.060	0.3	50	1000	8.0	2.8	$\pm 4.0$	$\pm 22$	Low Noise, Precision	626
OP-27GP	0.080	0.100	0.4	75	700	8.0	2.8	$\pm 4.0$	$\pm 22$	Low Noise, Precision	626
OP-37EP	0.040	0.025	0.2	35	1000	40	17	$\pm 4.0$	$\pm 22$	Low Noise, Precision	626
OP-27FP	0.055	0.060	0.3	50	1000	40	17	$\pm 4.0$	$\pm 22$	Decompensated for	626
OP-27GP	0.080	0.100	0.4	75	700	40	17	$\pm 4.0$	$\pm 22$	$A_V \geq 5$	626
TL061	200 pA	15	10	200 pA	4.0	1.0	3.5	$\pm 3.0$	$\pm 18$	Single Bifet Low power	626,693
TL061A	200 pA	6.0	10	200 pA	4.0	1.0	3.5	$\pm 3.0$	$\pm 18$	Single Bifet Low power	626,693
TL061B	200 pA	3.0	10	100 pA	3.0	1.0	3.5	$\pm 3.0$	$\pm 18$	Single Bifet Low power	626,693
TL071AC	200 pA	6.0	10	50 pA	50	4.0	13	$\pm 5.0$	$\pm 18$	Low Noise, JFET Input	626
TL071BC	200 pA	3.0	10	50 pA	50	4.0	13	$\pm 5.0$	$\pm 18$	Low Noise, JFET Input	626
TL071C	200 pA	10	10	50 pA	25	4.0	13	$\pm 5.0$	$\pm 18$	Low Noise, JFET Input	626,693,751
TL081AC	200 pA	6.0	10	100 pA	50	4.0	13	$\pm 5.0$	$\pm 18$	JFET Input	626,693
TL081BC	200 pA	3.0	10	100 pA	50	4.0	13	$\pm 5.0$	$\pm 18$	JFET Input	626,693
TL081C	400 pA	15	10	200 pA	25	4.0	13	$\pm 5.0$	$\pm 18$	JFET Input	626,693,751

**Industrial Temperature Range (-25°C to +85°C)**

MC33071	0.5	3.5	10	75	25	4.5	13	$+3.0$	$+44$	High Performance	626,693
MC33071A	0.5	1.5	10	50	50	4.5	13	$+3.0$	$+44$	Single Supply	626,693
OP-27E	0.040	0.025	0.2	35	1000	8.0	2.8	$\pm 4.0$	$\pm 22$	Low Noise, Precision	601,693
OP-27F	0.055	0.060	0.3	50	1000	8.0	2.8	$\pm 4.0$	$\pm 22$	Low Noise, Precision	601,693
OP-27G	0.080	0.100	0.4	75	700	8.0	2.8	$\pm 4.0$	$\pm 22$	Low Noise, Precision	601,693
OP-37E	0.040	0.025	0.2	35	1000	40	17	$\pm 4.0$	$\pm 22$	Low Noise, Precision	601,693
OP-37F	0.055	0.060	0.3	50	1000	40	17	$\pm 4.0$	$\pm 22$	Decompensated for	601,693
OP-37G	0.080	0.100	0.4	75	700	40	17	$\pm 4.0$	$\pm 22$	$A_V \geq 5$	601,693