

# Operational Amplifiers

## SINGLE OPERATIONAL AMPLIFIERS INTERNALLY COMPENSATED

Device	Description	I <sub>B</sub> μA max	V <sub>IO</sub> mV max	TCV <sub>IO</sub> μV/°C typ	I <sub>IO</sub> nA max	A <sub>vol</sub> V/V min	BW (A <sub>v</sub> =1) MHz typ	SR (A <sub>v</sub> =1) V/μs typ	Supply V min/typ	Voltage V max/typ	Packages
<b>Military Temperature Range (-55°C to +125°C)</b>											
MC1536	High Voltage Op Amp	.02	5	10	3	100 K	1	2.0	±15	±40	601
MC1556	High Performance Op Amp	.015	4	10	2	100 K	1	2.5	±3	±22	601, 632
MC1733	Differential Wideband Video Amp	20	—	—	3000	90	90	—	±4	±8	603, 632
MC1741	General Purpose Op Amp	.5	5	15	200	50 K	1	.5	±3	±22	601, 606 632, 693
MC1741S	High Slew Rate Op Amp	.5	5	15	200	50 K	1	10	±3	±22	601, 632 693
MC1741N	Low Noise Op Amp	.5	5	15	200	50 K	1	.5	±3	±22	601, 606 632, 693
MC1776	μPower Programmable Op Amp	.0075	5	15	3	200 K	1	.2	±1.5	±18	601, 632
MC3572	Low Drift, Low Noise Op Amp	1	1	.5	50	50 K	1	1	±3	±22	601, 693*
MLM107	General Purpose Op Amp	.075	2	10	10	50 K	1	.5	±3	±22	601, 693
MLM110	Unity Gain Op Amp	.003	4	12	—	Unity	20	30	±3	±18	601
MLF155A	FET Input Op Amp	50 pA	2	3	10 pA	50 K	1	5	±5	±22	601 *
MLF155	FET Input Op Amp	100 pA	5	5	20 pA	50 K	1	5	±5	±22	601 *
MLF156A	FET Input Op Amp	50 pA	2	3	10 pA	50 K	2	15	±5	±22	601 *
MLF156	FET Input Op Amp	50 pA	5	5	20 pA	50 K	2	15	±5	±22	601 *
MLF157A	Wideband FET Input Op Amp	50 pA	2	3	10 pA	50 K	3	75	±5	±22	601 *
MLF157	Wideband FET Input Op Amp	100 pA	5	5	20 pA	50 K	3	75	±5	±22	601 *
<b>Industrial Temperature Range (-25°C to +85°C)</b>											
MLM207	General Purpose Op Amp	.075	2	10	10	50 K	1	.5	±3	±22	601, 693
MLM210	Unity Gain Op Amp	.003	4	12	—	Unity	20	30	±3	±18	601
<b>Industrial Temperature Range (0°C to 70°C)</b>											
MC1436	High Voltage Op Amp	.04	10	12	10	70 K	1.0	2.0	±15	±34	601
MC1456	High Performance Op Amp	.03	10	12	10	70 K	1.0	2.5	±3	±18	601, 632
MC1733C	Differential Wideband Video Amp	30	—	—	5000	80	90	—	±4	±8	601, 632
MC1741C	General Purpose Op Amp	.5	6	15	200	20 K	1.0	.5	±3	±18	601, 632 626, 646 693
MC1741SC	High Slew Rate Op Amp	.5	6	15	200	20 K	1.0	10	±3	±18	601, 632 626, 646 693
MC1741NC	Lo Noise Op Amp	.5	6	15	200	20 K	1.0	.5	±3	±18	601, 632 626, 646 693
MC1776C	μPower, Programmable Op Amp	.003	6	15	3	100 K	1.0	.2	±1.5	±18	601
MC3476	Low Cost μPower, Programmable Op Amp	.05	6	15	25	50 K	1.0	.2	±1.5	±18	601, 626
MLM307	General Purpose Op Amp	.25	7.5	10	50	25 K	1.0	.5	±3	±18	601, 626 693
MLM310	Unity Gain Op Amp	.007	7.5	12	—	Unity	20.0	30	±3	±18	601
MLF355A	FET Input Op Amp	50 pA	2	1	10 pA	50 K	1.0	5	±5	±18	601 *
MLF355	FET Input Op Amp	200 pA	10	5	50 pA	50 K	1.0	5	±5	±18	601 *
MLF356A	FET Input Op Amp	50 pA	2	1	10 pA	50 K	2.0	15	±5	±18	601 *
MLF356	FET Input Op Amp	200 pA	10	5	50 pA	50 K	2.0	15	±5	±18	601 *
MLF357A	Wideband FET Input Op Amp	50 pA	2	1	10 pA	50 K	3.0	75	±5	±18	601 *
MLF357	Wideband FET Input Op Amp	200 pA	10	5	50 pA	50 K	3.0	75	±5	±18	601 *

\* This circuit to be introduced.