

ALD Precision Operational Amplifiers



ADVANCED
LINEAR
DEVICES, INC.

Surface Mount Device

RoHS Compliant This product is RoHS compliant.

ALD OPERATIONAL AMPLIFIERS - INSTRUMENT GRADE, OSCILLATION FREE

- Temperature range 0°C to 70°C
- Patented EPAD(R) Technology
- Class AB output drivers
- Voltage Supply Aux. Max. 12(±6)V
- Symmetrical complementary outputs
- High temperature stable
- Ultra low input offset voltage
- Ultra low input bias currents
- Rail to rail input and output
- Unity gain stable
- Cable driver
- Ringing free

Rail to Rail Input/Output Voltage

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Gain Bandwidth (MHz) Typ.	Slew Rate (V/μS) Typ.	Input Offset (Max.)(mV)	Input Bias (Max.)(pA)	Supply Volt. (V) Min.	Isp. per Amp (mA) Max.	Price Each		
										1	25	100
◆ 585-ALD1706SAL	ALD1706SAL	Ultra-Micropower, Single	SO-8	0.4	0.17	4.5	30	2(±1)	.04	3.59	2.89	2.62
◆ 585-ALD1706PAL	ALD1706PAL	Ultra-Micropower, Single	DIP-8	0.4	0.17	4.5	30	2(±1)	.04	3.59	2.89	2.62
◆ 585-ALD1701SAL	ALD1701SAL	Micropower, Single	SO-8	0.7	0.7	4.5	30	2(±1)	.25	2.66	2.14	1.94
◆ 585-ALD1701PAL	ALD1701PAL	Micropower, Single	DIP-8	0.7	0.7	4.5	30	2(±1)	.25	2.66	2.14	1.94
◆ 585-ALD2702SAL	ALD2702SAL	5V Precision, Dual	SO-8	1.5	1.9	5	20	4(±2)	1.50	3.13	2.52	2.29
◆ 585-ALD4702SBL	ALD4702SBL	5V Precision, Quad	SO-14	1.5	1.9	5	30	4(±2)	1.50	4.83	4.77	3.07
◆ 585-ALD2702PAL	ALD2702PAL	5V Precision, Dual	DIP-8	1.5	1.9	5	20	4(±2)	1.50	3.13	2.52	2.29
◆ 585-ALD4702PBL	ALD4702PBL	5V Precision, Quad	DIP-14	1.5	1.9	5	30	4(±2)	1.50	5.64	4.53	4.12
◆ 585-ALD1702SAL	ALD1702SAL	5V Precision, Single	SO-8	1.5	2.1	4.5	30	4(±2)	2.00	2.83	2.27	2.07
◆ 585-ALD1702PAL	ALD1702PAL	5V Precision, Single	DIP-8	1.5	2.1	4.5	30	4(±2)	2.00	3.53	2.83	2.58
◆ 585-ALD1704SAL	ALD1704SAL	High Slew Rate, Single	SO-8	2.1	5	4.5	20	6.5(±3.25)	4.50	3.96	3.18	2.90
◆ 585-ALD2704SAL	ALD2704SAL	High Slew Rate, Dual	SO-8	2.1	5	4.5	20	6.5(±3.25)	3.25	3.13	2.52	2.29
◆ 585-ALD1704PAL	ALD1704PAL	High Slew Rate, Single	DIP-8	2.1	5	4.5	20	6.5(±3.25)	4.50	4.24	3.35	2.70
◆ 585-ALD2704PAL	ALD2704PAL	High Slew Rate, Dual	DIP-8	2.1	5	4.5	20	6.5(±3.25)	3.25	2.69	2.66	1.71

ALD ULTRA LOW VOS @ ULTRA LOW BIAS CMOS OPERATIONAL AMPLIFIERS + ULTRA LOW INPUT

Signal Power EPAD(R) Operational Amplifiers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Gain Bandwidth (MHz) Typ.	Slew Rate (V/μS) Typ.	Input Offset (Max.)(mV)	Input Bias (Max.)(pA)	Supply Voltage		Isp. per Amp (mA) Max.	Price Each		
								Min.	Max.		1	25	100
◆ 585-ALD2706PAL	ALD2706PAL	Ultra-Micropower, Dual	PDIP-8	0.2	0.1	11	20	2(±1)	10(±5)	0.08	3.93	3.16	2.88
◆ 585-ALD2706SAL	ALD2706SAL	Ultra-Micropower, Dual	SOIC-8	0.2	0.1	11	20	2(±1)	10(±5)	0.08	3.93	3.16	2.88
◆ 585-ALD2706ASAL	ALD2706ASAL	Ultra-Micropower, Dual	SO-8	0.2	0.1	2	20	2(±1)	12(±6)	.04	7.08	5.80	4.97
◆ 585-ALD2706BSAL	ALD2706BSAL	Ultra-Micropower, Dual	SO-8	0.2	0.1	5	20	2(±1)	12(±6)	.04	5.15	4.15	3.77
◆ 585-ALD2736SAL	ALD2736SAL	Ultra-Micropower High Precision, Dual	SO-8	0.2	0.1	2	10	2(±1)	10(±5)	0.04	4.91	3.95	3.60
◆ 585-ALD2736ASAL	ALD2736ASAL	Ultra-Micropower High Precision, Dual	SO-8	0.2	0.1	0.6	10	2(±1)	10(±5)	0.04	8.41	6.89	6.22
◆ 585-ALD2706APAL	ALD2706APAL	Ultra-Micropower, Dual	DIP-8	0.2	0.1	2	20	2(±1)	12(±6)	.04	7.08	5.80	4.97
◆ 585-ALD2706BPAL	ALD2706BPAL	Ultra-Micropower, Dual	DIP-8	0.2	0.1	5	20	2(±1)	12(±6)	.04	4.42	4.37	2.81
◆ 585-ALD2736APAL	ALD2736APAL	Ultra-Micropower High Precision, Dual	DIP-8	0.2	0.1	2	10	2(±1)	10(±5)	0.04	2.86	2.68	2.49
◆ 585-ALD2736BPAL	ALD2736BPAL	Ultra-Micropower High Precision, Dual	DIP-8	0.2	0.1	0.6	10	2(±1)	10(±5)	0.04	7.25	6.01	5.01
◆ 585-ALD4706SBL	ALD4706SBL	Ultra-Micropower, Quad	SOIC-14	0.2	0.17	11	20	2(±1)	10(±5)	0.2	9.00	7.38	6.66
◆ 585-ALD4706PBL	ALD4706PBL	Ultra-Micropower, Quad	PDIP-14	0.2	0.17	11	20	2(±1)	10(±5)	0.2	9.00	7.38	6.66
◆ 585-ALD4706BSBL	ALD4706BSBL	Ultra-Micropower, Quad	SO-14	0.2	0.17	5	20	2(±1)	12(±6)	.05	12.32	11.40	9.24
◆ 585-ALD4706BPBL	ALD4706BPBL	Ultra-Micropower, Quad	DIP-14	0.2	0.17	5	20	2(±1)	12(±6)	.05	12.32	11.40	9.24
◆ 585-ALD1726GPAL	ALD1726GPAL	Ultra-Micropower Precision, Single	PDIP-8	0.3	0.17	1	10	2(±1)	10(±5)	0.05	2.60	2.10	1.89
◆ 585-ALD1726GSAL	ALD1726GSAL	Ultra-Micropower Precision, Single	SOIC-8	0.3	0.17	1	10	2(±1)	10(±5)	0.05	2.60	2.10	1.89
◆ 585-ALD1706GSAL	ALD1706GSAL	Ultra-Micropower, Single	SOIC-8	0.4	0.17	11	50	2(±1)	10(±5)	0.05	2.83	2.27	2.07
◆ 585-ALD1726PAL	ALD1726PAL	Ultra-Micropower, Single	PDIP-8	0.4	0.17	1	10	2(±1)	10(±5)	0.04	2.92	2.35	2.14
◆ 585-ALD1726SAL	ALD1726SAL	Ultra-Micropower, Single	SOIC-8	0.4	0.17	1	10	2(±1)	10(±5)	0.04	2.92	2.35	2.14
◆ 585-ALD1706ASAL	ALD1706ASAL	Ultra-Micropower, Single	SO-8	0.4	0.17	0.9	30	2(±1)	12(±6)	.04	4.46	3.59	3.27
◆ 585-ALD1736SAL	ALD1736SAL	Ultra-Micropower High Precision, Single	SO-8	0.4	0.17	0.4	10	4(±2)	10(±5)	0.04	2.66	2.14	1.94
◆ 585-ALD1736ASAL	ALD1736ASAL	Ultra-Micropower High Precision, Single	SO-8	0.4	0.17	0.1	10	4(±2)	10(±5)	0.04	3.66	2.95	2.68
◆ 585-ALD1706APAL	ALD1706APAL	Ultra-Micropower, Single	DIP-8	0.4	0.17	0.9	30	2(±1)	12(±6)	.04	4.46	3.59	3.27
◆ 585-ALD1736PAL	ALD1736PAL	Ultra-Micropower High Precision, Single	DIP-8	0.4	0.17	0.4	10	4(±2)	10(±5)	0.04	2.66	2.14	1.94
◆ 585-ALD1736APAL	ALD1736APAL	Ultra-Micropower High Precision, Single	DIP-8	0.4	0.17	0.1	10	4(±2)	10(±5)	0.04	3.66	2.95	2.68
◆ 585-ALD4701SBL	ALD4701SBL	Micropower, Quad	SOIC-14	0.7	0.7	11	30	2(±1)	10(±5)	1	5.58	4.49	4.08
◆ 585-ALD1701GSAL	ALD1701GSAL	Micropower, Single	SOIC-8	0.7	0.7	11	50	2(±1)	10(±5)	0.3	1.80	1.45	1.23
◆ 585-ALD2711BPAL	ALD2711BPAL	Micropower, Dual	PDIP-8	0.7	0.7	1.5	10	2(±1)	10(±5)	0.45	9.12	7.48	6.74
◆ 585-ALD2711BSAL	ALD2711BSAL	Micropower, Dual	SOIC-8	0.7	0.7	1.5	10	2(±1)	10(±5)	0.45	9.12	7.48	6.74
◆ 585-ALD1721SAL	ALD1721SAL	Micropower, Single	SOIC-8	0.7	0.7	0.15	10	2(±1)	10(±5)	0.2	2.83	2.27	2.07
◆ 585-ALD4701PBL	ALD4701PBL	Micropower, Quad	PDIP-14	0.7	0.7	11	30	2(±1)	10(±5)	1	5.58	4.49	4.08
◆ 585-ALD1721GPAL	ALD1721GPAL	Micropower Precision, Single	PDIP-8	0.7	0.7	1	10	2(±1)	10(±5)	0.2	2.60	2.10	1.89
◆ 585-ALD1721GSAL	ALD1721GSAL	Micropower Precision, Single	SOIC-8	0.7	0.7	1	10	2(±1)	10(±5)	0.2	2.60	2.10	1.89
◆ 585-ALD1701ASAL	ALD1701ASAL	Micropower, Single	SO-8	0.7	0.7	0.9	30	2(±1)	12(±6)	.25	3.75	3.01	2.74
◆ 585-ALD1731SAL	ALD1731SAL	Micropower High Precision, Single	SO-8	0.7	0.7	0.4	10	2(±1)	10(±5)	0.2	2.69	2.14	1.96
◆ 585-ALD1731ASAL	ALD1731ASAL	Micropower High Precision, Single	SO-8	0.7	0.7	0.1	10	2(±1)	10(±5)	0.2	2.69	2.14	1.96
◆ 585-ALD2701ASAL	ALD2701ASAL	Micropower, Dual	SO-8	0.7	0.7	2	30	2(±1)	12(±6)	.25	5.11	4.10	3.73
◆ 585-ALD2711ASAL	ALD2711ASAL	Micropower High Precision, Dual	SO-8	0.7	0.7	0.6	10	2(±1)	12(±6)	.23	15.77	13.26	12.18
◆ 585-ALD2711SAL	ALD2711SAL	Micropower High Precision, Dual	SO-8	0.7	0.7	1.5	10	2(±1)	12(±6)	.23	4.97	4.00	3.64
◆ 585-ALD4701ASBL	ALD4701ASBL	Micropower, Quad	SO-14	0.7	0.7	2	30	2(±1)	12(±6)	.25	8.58	7.03	6.02
◆ 585-ALD4701BSBL	ALD4701BSBL	Micropower, Quad	SO-14	0.7	0.7	5	30	2(±1)	12(±6)	.25	5.36	5.29	3.41
◆ 585-ALD1701APAL	ALD1701APAL	Micropower, Single	DIP-8	0.7	0.7	0.9	30	2(±1)	12(±6)	.25	3.75	3.01	2.74
◆ 585-ALD1731PAL	ALD1731PAL	Micropower High Precision, Single	DIP-8	0.7	0.7	0.4	10	2(±1)	10(±5)	0.2	3.31	3.26	2.10
◆ 585-ALD1731APAL	ALD1731APAL	Micropower High Precision, Single	DIP-8	0.7	0.7	0.1	10	2(±1)	10(±5)	0.2	3.31	3.26	2.10
◆ 585-ALD2701APAL	ALD2701APAL	Micropower, Dual	DIP-8	0.7	0.7	2	30	2(±1)	12(±6)	.25	5.11	4.10	3.73
◆ 585-ALD2711APAL	ALD2711APAL	Micropower High Precision, Dual	DIP-8	0.7	0.7	0.6	10	2(±1)	12(±6)	.23	15.77	13.26	12.18
◆ 585-ALD2711PAL	ALD2711PAL	Micropower High Precision, Dual	DIP-8	0.7	0.7	1.5	10	2(±1)	12(±6)	.23	4.97	4.00	3.64
◆ 585-ALD4701APBL	ALD4701APBL	Micropower, Quad	DIP-14	0.7	0.7	2	30	2(±1)	12(±6)	.25	8.58	7.03	6.02
◆ 585-ALD4701BPBL	ALD4701BPBL	Micropower, Quad	DIP-14	0.7	0.7	5	30	2(±1)	12(±6)	.25	5.36	5.29	3.41
◆ 585-ALD2702ASAL	ALD2702ASAL	5V Precision, Dual	SO-8	1.5	1.9	1	20	4(±2)	12(±6)	1.50	6.15	5.04	4.55
◆ 585-ALD2702BSAL	ALD2702BSAL	5V Precision, Dual	SO-8	1.5	1.9	2	20	4(±2)	12(±6)	1.50	3.69	3.65	2.35
◆ 585-ALD2732SAL	ALD2732SAL	5V High Precision, Dual	SO-8	1.5	1.9	2	10	4(±2)	10(±5)	1.5	3.93	3.16	2.88
◆ 585-ALD2732ASAL	ALD2732ASAL	5V High Precision, Dual	SO-8	1.5	1.9	0.6	10	4(±2)	10(±5)	1.5	6.70	5.33	4.27
◆ 585-ALD4702BSBL	ALD4702BSBL	5V Precision, Quad	SO-14	1.5	1.9	2	30	4(±2)	12(±6)	1.50	5.24	5.18	3.34
◆ 585-ALD2702APAL	ALD2702APAL	5V Precision, Dual	DIP-8	1.5	1.9	1	20	4(±2)	12(±6)	1.50	6.15	5.04	4.55
◆ 585-ALD2702BPAL	ALD2702BPAL	5V Precision, Dual	DIP-8	1.5	1.9	2	20	4(±2)	12(±6)	1.50	3.69	3.65	2.35
◆ 585-ALD2732PAL	ALD2732PAL	5V High Precision, Dual	DIP-8	1.5	1.9	2	10	4(±2)	10(±5)	1.5	3.93	3.16	2.88
◆ 585-ALD2732APAL	ALD2732APAL	5V High Precision, Dual	DIP-8	1.5	1.9	0.6	10	4(±					