

ALD Precision Analog ICs & Energy Harvesting Modules



RoHS Compliant This product is RoHS compliant.

EPAD® ENERGY HARVESTING™ MODULES

Advanced Linear Devices' EPAD® ENERGY HARVESTING™ Modules can accept energy from many types of electrical energy sources and store this energy to power conventional 3.3V and 5.0V electrical circuits and systems. They are completely self-powered and always in the active mode and are intended for low power intermittent duty cycle sampled data or condition-based monitoring/extreme lifespan applications.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Price Each		
			1	5	10
585-EH300	EH300	1.8V to 3.6V, 4.6mJ, 68msec@25mA	49.83	46.51	44.85
585-EH300A	EH300A	1.8V to 3.6V, 30mJ, 75msec@150mA	58.50	54.60	52.65
585-EH301	EH301	3.1V to 5.2V, 8.3mJ, 80msec@25mA	49.83	46.51	44.85
585-EH301A	EH301A	3.1V to 5.2V, 55mJ, 88msec@150mA	58.50	54.60	52.65
Cables					
585-EHJ1C	EHJ1C	Two pin 6 in. Cable for EH300/EH301 w/connector	3.00	2.80	2.70
585-EHJ2C	EHJ2C	Four wire 6 in. Cable for EH300/EH301 w/connector	6.00	5.60	5.40
Kit					
585-EH300KIT	EH300KIT	Evaluation Kit (One each of EH300 and EH300A, Two each EHJ1C/EHJ2C cables)	120.00	112.00	108.00
585-EH301-KIT	EH301KIT	Evaluation Kit (One each of EH301 and EH301A, Two each EHJ1C/EHJ2C cables)	120.00	112.00	108.00

ULTRA LOW INPUT OFFSET VOLTAGE EPAD® DUAL CMOS ANALOG VOLTAGE COMPARATORS

◆ Surface Mount

- Instrument Grade
- Patented EPAD® Technology
- Ultra Low Input Signal Power
- Ultra Low Input Currents
- Ultra Low Input Offset Voltages
- Separate and Low Outputs
- Temperature Range: 0 to 70°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Output Drive Current		Input Offset Voltage Max. (mV)	Input Bias Current Typ./Max. (pA)	Response Time Typ. (ns)	Supply Voltage Min./Max. (V)	Supply Current (Per Comp) Max. (µA)	Price Each		
				Min. (mA)	Typ. (mA)						1	25	100
585-ALD2321APCL	ALD2321APCL	Source Sink, Push-Pull	DIP-16	24 / -3.5	50 / -4.5	0.2	0.01/20	400	3/10	90	3.84	3.36	2.88
585-ALD2321ASCL	ALD2321ASCL	Source Sink, Push-Pull	SO-16	24 / -3.5	50 / -4.5	0.2	0.01/20	400	3/10	90	3.84	3.36	2.88
585-ALD2321BPCL	ALS2321BPCL	Source Sink, Push-Pull	DIP-16	24 / -3.5	50 / -4.5	0.5	0.01/20	400	3/10	90	2.91	2.11	1.85
585-ALD2321BSCL	ALD2321BSCL	Source Sink, Push-Pull	SO-16	24 / -3.5	50 / -4.5	0.5	0.01/20	400	3/10	90	2.91	2.11	1.85
585-ALD2321PCL	ALD2321PCL	Source Sink, Push-Pull	DIP-16	24 / -3.5	50 / -4.5	1	0.01/20	400	3/10	90	2.56	2.24	1.92
585-ALD2321SCL	ALD2321SCL	Source Sink, Push-Pull	SO-16	24 / -3.5	50 / -4.5	1	0.01/20	400	3/10	90	2.56	2.24	1.92

PRECISION CMOS VOLTAGE COMPARATORS

◆ Surface Mount

- Instrument Grade
- High Input Impedance
- Low Power
- High Output Currents
- Low Input Offset Voltage
- Near Infinite Current Gain
- Low Input Bias Currents
- Temperature Range: 0 to 70°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Input Offset Voltage Max. (mV)	Output Drive Current		Input Bias Current Typ./Max. (pA)	Response Time Typ. (ns)	Supply Voltage Min./Max. (V)	Supply Current Per Comp Max. (µA)	Price Each		
					Min. (mA)	Typ. (mA)					1	25	100
585-ALD2302APAL	ALD2302APAL	Push-Pull, Dual	DIP-8	1	24/-2.0	60/-4.5	10/200	180/400	4/12	250	5.72	5.42	5.00
585-ALD2302ASAL	ALD2302ASAL	Push-Pull, Dual	SO-8	1	24/-2.0	60/-4.5	10/200	180/400	4/12	250	5.74	5.00	4.90
585-ALD2303APAL	ALD2303APAL	Open Drain, Dual	DIP-8	1	24	60	10/200	5000/6500	3/12	20	5.08	4.04	3.23
585-ALD2303ASAL	ALD2303ASAL	Open Drain, Dual	SO-8	1	24	60	10/200	5000/6500	3/12	20	5.58	4.64	3.87
585-ALD2301APAL	ALD2301APAL	Open Drain, Dual	DIP-8	2	24	60	10/200	300/650	3/12	90	5.08	4.04	3.76
585-ALD2301ASAL	ALD2301ASAL	Open Drain, Dual	SO-8	2	24	60	10/200	300/650	3/12	90	5.58	4.64	3.87
585-ALD2302PAL	ALD2302PAL	Push-Pull, Dual	DIP-8	4	24/-2.0	60/-4.5	10/200	180/400	4/12	250	2.36	2.07	1.77
585-ALD2302SAL	ALD2302SAL	Push-Pull, Dual	SO-8	4	24/-2.0	60/-4.5	10/200	180/400	4/12	250	2.52	2.21	1.89
585-ALD2303PAL	ALD2303PAL	Open Drain, Dual	DIP-8	4	24	60	10/200	5000/6500	3/12	20	2.40	2.10	1.80
585-ALD2303SAL	ALD2303SAL	Open Drain, Dual	SO-8	4	24	60	10/200	5000/6500	3/12	20	2.52	2.21	1.89
585-ALD2301BSAL	ALD2301BSAL	Open Drain, Dual	SO-8	5	24	60	10/200	300/650	3/12	90	3.36	2.94	2.52
585-ALD4301ASBL	ALD4301ASBL	Open Drain, Quad	SO-14	5	24	60	10/200	300/650	3/12	90	4.22	3.35	2.68
585-ALD4302APBL	ALD4302APBL	Push-Pull, Quad	DIP-14	5	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.67	3.37	2.98
585-ALD4302ASBL	ALD4302ASBL	Push-Pull, Quad	SO-14	5	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.90	3.53	3.12
585-ALD4303APBL	ALD4303APBL	Open Drain, Quad	DIP-14	5	24	60	10/200	5000/6500	3/12	20	4.97	3.59	3.16
585-ALD4303PBL	ALD4303PBL	Open Drain, Quad	DIP-14	10	24	60	10/200	5000/6500	3/12	20	3.96	3.47	2.97
585-ALD4303SBL	ALD4303SBL	Open Drain, Quad	SO-14	10	24	60	10/200	5000/6500	3/12	20	4.40	3.18	2.79
585-ALD2301PAL	ALD2301PAL	Open Drain, Dual	DIP-8	10	24	60	10/200	300/650	3/12	90	2.12	1.68	1.35
585-ALD2301SAL	ALD2301SAL	Open Drain, Dual	SO-8	10	24	60	10/200	300/650	3/12	90	2.12	1.68	1.35
585-ALD4302PBL	ALD4302PBL	Push-Pull, Quad	DIP-14	10	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.10	2.96	2.61
585-ALD4302SBL	ALD4302SBL	Push-Pull, Quad	SO-14	10	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.38	3.17	2.78
585-ALD4301SBL	ALD4301SBL	Open Drain, Quad	SO-14	10	24	60	10/200	300/650	3/12	90	3.69	2.93	2.35
585-ALD2301CPAL	ALD2301CPAL	Open Drain, Dual	DIP-8	20	24	60	10/400	300/650	3/12	90	1.96	1.56	1.25
585-ALD2301CSAL	ALD2301CSAL	Open Drain, Dual	SO-8	20	24	60	10/400	300/650	3/12	90	1.96	1.56	1.25

ULTRA LOW CHARGE INJECTION LOW VOLTAGE ANALOG SWITCHES

◆ Surface Mount

- Precision Switches
- High Fidelity Small Signal Switching
- Low Voltage
- Temperature Range: 0 to 70°C
- Supply Voltage: Min. - 3±1.5V, Max. - 12±6V
- Supply Current: 1µA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Switch Action	Charge Injection Typ./Max. (pC)	Source Off Leakage Max. (pA)	Ron (Ohm) Max.	Turn-On Time (ns) Max.	Price Each		
									1	25	100
585-ALD4201PCL	ALD4201PCL	Quad SPST NC	DIP-16	Break-before-Make	2.0/5.0	100	180	240	2.26	1.79	1.44
585-ALD4201SCL	ALD4201SCL	Quad SPST NC	SO-16	Break-before-Make	1.0/2.5	100	180	240	2.49	1.97	1.58
585-ALD4202MPCL	ALD4202MPCL	Quad SPST NO	DIP-16	Make-before-Break	1.0/2.0	100	180	110	2.26	1.79	1.44
585-ALD4202MSCL	ALD4202MSCL	Quad SPST NO	SO-16	Make-before-Break	0.7/2.0	100	180	110	2.49	1.97	1.58
585-ALD4211PCL	ALD4211PCL	Quad SPST NC	DIP-16	Break-before-Make	0.2/1.0	100	190	130	2.26	1.79	1.44
585-ALD4211SCL	ALD4211SCL	Quad SPST NC	SO-16	Break-before-Make	0.2/1.0	100	190	130	2.49	1.97	1.58
585-ALD4212PCL	ALD4212PCL	Quad SPST NO	DIP-16	Break-before-Make	0.2/1.0	100	190	130	2.26	1.79	1.44
585-ALD4212SCL	ALD4212SCL	Quad SPST NO	SO-16	Break-before-Make	0.2/1.0	100	190	130	2.49	1.97	1.58
585-ALD4213PCL	ALD4213PCL	Dual NO/Dual NC	DIP-16	Break-before-Make	0.2/1.0	100	190	130	2.26	1.79	1.44

PRECISION LOW DRIFT, LOW POWER, ANALOG TIMERS WITH HIGH DISCHARGE OUTPUT

◆ Surface Mount

- Precision
- High Speed
- High Input Impedance
- Stable with Supply Voltage Changes
- Temperature Range: 0 to 70°C
- Temperature Drift: Typ. 10ppm / °C
- Timer Accuracy: Typ. 1%

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Type	Supply Volt. Drift (Typ.) (%/V)	Discharge Output Voltage/Current (V)/(mA)	Supply Voltage		Sup. Current (per Timer) (µA) Max.	Price Each		
							Min. (V)	Max. (V)		1	25	100
585-ALD1502PAL	ALD1502PAL	Micropower CMOS Timer	DIP-8	Single	0.2	1.0 @ 80	2	12	90	1.50	1.19	.96
585-ALD1502SAL	ALD1502SAL	Micropower CMOS Timer	SO-8	Single	0.2	1.0 @ 80	2	12	90	1.50	1.19	.96
585-ALD2502PBL	ALD2502PBL	Micropower CMOS Timer	DIP-14	Dual	0.2	1.0 @ 80	2	12	90	2.17	1.72	1.38
585-ALD2502SBL	ALD2502SBL	Micropower CMOS Timer	SO-14	Dual	0.2	1.0 @ 80	2	12	90	2.14	1.70	1.36
585-ALD4501PEL	ALD4501PEL	Micropower CMOS Timer	DIP-20	Quad	0.1	1.0 @ 40	2	12	67.5	5.18	4.53	3.89
585-ALD555PAL	ALD555PAL	CMOS Timer	DIP-8	Single	0.1	1.0 @ 80	2	12	180	1.50	1.19	.96
585-ALD555SAL	ALD555SAL	CMOS Timer	SO-8	Single	0.1	1.0 @ 80	2	12	180	1.50	1.19	.96