

# CADEKA Analog ICs

Products may be RoHS compliant. Check mouser.com for RoHS status.



Amplify the Human Experience

For quantities greater than listed, call for quote.

## COMLINEAR® HIGH PERFORMANCE AMPLIFIERS

MOUSER STOCK NO.	Cadeka Part No.	Package	Input Voltage Noise (nV/√Hz)	Gain Bandwidth (MHz)	Slew Rate (V/μS)	Output Current (mA)	Supply Voltage (V)	Price Each		
								1	100	500
<b>Dual Amplifier</b>										
939-CLC2000ISO8X	CLC2000ISO8X	SOIC-8	4.5	510	210	200	5-12	1.36	1.16	1.02
939-CLC2005ISO8X	CLC2005ISO8X	SOIC-8	-	260	145	55	2.7-5	.69	.61	.55
939-CLC2009ISO8X	CLC2009ISO8X	SOIC-8	21	35	27	13	2.5-5.5	.57	.49	.43
939-CLC2011ISO8X	CLC2011ISO8X	SOIC-8	21	4.9	5.3	16	2.5-5.5	.47	.40	.35
<b>Single Amplifier</b>										
939-CLC1002ISO8X	CLC1002ISO8X	SOIC-8	0.6	963	170	130	4-12	2.00	1.70	1.50
939-CLC1001IST6X	CLC1001IST6X	SOT23-6	0.6	2100	410	130	4-12	2.10	1.79	1.58
939-CLC1605IST5X	CLC1605IST5X	SOT-23-5	3.7	1500	2500	120	5	1.10	.93	.82

## HYBRID AMPLIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cadeka Part No.	Package	-3dB Bandwidth (MHz)	Rise/Fall Times (ns)	Slew Rate (V/μS)	Output Current (mA)	Supply Voltage (V)	Price Each		
								1	5	10
939-KH103AI	KH103AI	CDIP-24L	80	4	600	200	20	375.54	350.50	325.47
939-KH200AI	KH200AI	TO-8 12L	95	3.6	4000	100	20	289.91	270.58	251.25
939-KH205AI	KH205AI	TO-8 12L	170	4.7	2.4	75	5-15	65.88	61.49	57.10
939-KH206AI	KH206AI	TO-8 12L	180	2	3400	100	5-15	131.77	122.98	114.20
939-KH207AI	KH207AI	TO-8 12L	170	2.2	2400	100	5-15	54.53	50.90	47.26
939-KH220AI	KH220AI	TO-8 12L	190	1.9	7000	50	20	253.67	236.76	219.85
939-KH231AI	KH231AI	TO-8 12L	165	2	3000	75	5-15	131.77	122.98	114.20
939-KH232AI	KH232AI	TO-8 12L	270	2	3000	100	10	61.50	57.40	53.30
939-KH300AI	KH300AI	CDIP-24L	85	4	3	100	5-16	74.25	69.30	64.35
939-KH560AI	KH560AI	CDIP-24L	215	1.6	2600	200	10-15	137.21	128.07	118.92

## LINEAR AMPLIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cadeka Part No.	Package	-3dB Bandwidth (MHz)	Rise/Fall Times (ns)	Gain (dB)	Supply Voltage (V)	Output Current (mA)	Price Each		
								1	5	10
939-KH104AI	KH104AI	DWDIP-14L	1100	325	14	9-16	40	309.66	289.02	268.37

## COMPARATORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cadeka Part No.	Package	Propagation Delay (ns)	Propagation Delay Skew (ps)	Power (mW)	Offset (mV)	Price Each		
							1	10	25
939-SPT9687SIC	SPT9687SIC	LCC-20	<2.3	<200	185	±3	10.68	9.76	9.46
939-SPT9687SIS	SPT9687SIS	SOIC-16	<2.3	<200	185	±3	7.18	6.56	6.36
939-SPT9689AIC	SPT9689AIC	LCC-20	650ps	100	400	±3	31.96	29.22	28.30
939-SPT9689AIP	SPT9689AIP	PLCC-20	650ps	100	400	±3	32.45	29.66	28.74
939-SPT9689BIC	SPT9689BIC	LCC-20	650ps	100	400	±12	22.54	20.61	19.96
939-SPT9689BIJ	SPT9689BIJ	Sidebraced DIP	650ps	100	400	±12	22.54	20.61	19.96
939-SPT9691SCC	SPT9691SCC	LCC-20	2	100	700	±25	41.83	38.24	37.05
939-SPT9693SCC	SPT9693SCC	LCC-20	1.5	100	430	±25	50.05	45.76	44.33

## DIGITAL TO ANALOG CONVERTERS (DACs)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cadeka Part No.	Package	Resolution (bits)	Conversion Rate (MSPS)	Gain Matching (%)	Linearity Error (%)	Supply Voltage (V)	Price Each		
								1	10	25
<b>Triple Channel</b>										
939-CDK3404CTQ48	CDK3404CTQ48	TQFP-48	8	180	±2.5	±0.5	3.3	10.69	9.78	9.47
939-CDK3405CTQ48	CDK3405CTQ48	TQFP-48	8	180	±2.5	±0.5	3.3	10.69	9.78	9.47
939-SPT9713BIP	SPT9713BIP	PLCC-28	12	100	-	-	7	53.38	48.80	47.28

## ANALOG TO DIGITAL CONVERTERS (ADCs)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cadeka Part No.	Package	Resolution (bits)	Conversion Rate (MSPS)	Effective Number of Bits	Signal to Noise Ratio (dB)	Supply Voltage (V)	Price Each		
								1	10	25
<b>Single Channel</b>										
939-CDK1301ITQ44	CDK1301ITQ44	TQFP-44	8	250	7	46.1	5	31.50	28.80	27.90
939-CDK1308DILP40	CDK1308DILP40	QFN-40	10	80	9.8	61.3	1.8	5.25	4.80	4.65
939-SPT7830SCS	SPT7830SCS	SOIC-8	10	2.5	8.9	56	3-5	6.13	5.60	5.43
939-SPT7830SIS	SPT7830SIS	SOIC-8	10	2.5	8.9	56	3-5	7.40	6.77	6.56
939-CDK1307DILP40	CDK1307DILP40	QFN-40	13	80	11.4	72.5	1.7-3.6	8.23	7.52	7.29
<b>Dual Channel</b>										
939-CDK2308DILP64	CDK2308DILP64	QFN-64	10	80	9.9	61.6	1.7-3.6	11.20	10.24	9.92
939-CDK2307DILP64	CDK2307DILP64	QFN-64	13	80	11.4	72	1.7-3.6	11.73	10.72	10.39
<b>Octal Channel</b>										
939-CDK8307BILP64	CDK8307BILP64	QFN-64	13	40	11.6	72.2	1.8	28.53	26.08	25.27
939-CDK8307DILP64	CDK8307DILP64	QFN-64	13	65	11.6	72.2	1.8	33.25	30.40	29.45

## VIDEO FILTERS AND AMPLIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cadeka Part No.	Package	Channels	Fixed Gain (dB)	Total Supply Current (mA)	THD (%)	Differential Gain (%)	Differential Phase (%)	Stopband Attenuation (dB)	SNR (dB)	Operating Temp. (°C)	Price Each		
												1	100	500
939-CLC3800ISO8X	CLC3800ISO8X	SOIC-8	3	6	8.8	0.1	0.05	0.02	48	68	-40 to 125	.47	.40	.35

## USB SWITCHES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cadeka Part No.	Package	Switch Configuration	RON (max) (Ω)	RON Flatness (Ω)	CON (pF)	COFF (pF)	BW (MHz)	Is per Channel (max) (μA)	Leakage Current (max) (μA)	TTL Control Inputs	ESD (kV)	Min VS (V)	Max VS (V)	Operating Temp. Range (°C)	Price Each		
																1	100	500
939-CLCUSB42ILP10X	CLCUSB42ILP10X	QFN-10	DPDT	6.5	1	7	3.5	720	<1	2	Yes	8	3	4.3	-40 to 125	.51	.43	.38



Analog ICs

Cadeka

NEW SUPPLIER

NEW SUPPLIER

NEW SUPPLIER