

A/D and D/A Converters — continued

SEM80 SEM81

8-bit D/A – cont.			Linearity Error	Settling Time	Power Dissipation	Features	Mfrs. List No.	Order Code	Price Each				
Mfr.	Pins		±LSB	±½LSB, µs	mW (max.)				1+	10+	100+	250+	500+
7226	MAX	20◆	1	5	275	(QUAD) C, L, M, P, V	MX7226KN	459-999					
7228	AD	24◆	1	5	429	(OCTAL) C, L, M, P, V	AD7228KN	397-209					
7228	MAX	24◆	1	5	429	(OCTAL) C, L, M, P, V	MX7228KN	460-000					
7302	AD	20	1	1.2	15	V, R, R2R, Dual O/p, +2.7 to +5V	AD7302BN	334-2803					
7303	AD	8	1	1.2	800	D/B, R, R2R, S (IND TEMP)	AD7303BN	687-522					
7304	AD	16	1	2	1213	(QUAD) D/B, R, R2R, S, V (IND TEMP)	AD7304BN	117-031					
7305	AD	20	1	2	1041	(QUAD) D/B, R, R2R, S, V (IND TEMP)	AD7305BN	117-043					
7523	INTS	16	½	0.15	30	C, M	AD7523JN	397-222					
7524	AD	16◆	½	0.4	10*	C, L, M, P	AD7524JN	633-082					
7524	MP	16◆	½	0.1	10	C, L, M, P	MP7524AAN	445-459					
7524	AD	16◆	¼	0.35	15	C, L, M, P	PM7524FP	397-234					
7524	TI	16	½	0.1	5	C, L, M, P	TLC7524CD	SMD 334-2761					
7524	TI	16◆	½	0.1	5	C, L, M, P	TLC7524CN	397-246					
7528	AD	20◆	1	0.2	30*	(DUAL) C, L, M, P	AD7528JN	397-258					
7528	AD	20◆	½	0.2	30*	(DUAL) C, L, M, P	AD7528KN	397-260					
7528	MAX	20◆	1	0.2	30*	(DUAL) C, L, M, P	MX7528JN	460-023					
7528	AD	20◆	½	0.2	30*	(DUAL) C, L, M, P	PM7528FP	397-271					
7801	AD	20	1	2	12	V, R2R, R, +2.7 to +5.5V	AD7801BR	SMD 334-2815					
8228	AD	20◆	1	5	105	(DUAL) C, L, M, V	DAC8228FP	397-295					
8591	PS	16	1½	90	300	(I°C) C, M	PCF8591P	396-412.					
10-bit D/A													
561	AD	16	½	0.25*	300	C, R, S/A	AD561JN	702-080					
1022	NSC	16	2	0.5*	24	M	DAC1022LCN	397-350†					
5302	AD	10	½	7	450	R, R2R, S, V	AD5312BRM	SMD 314-5610					
5310	AD	8◆	1	6	450	R, R2R, S, V	AD5310BRM	SMD 117-055					
5728	INTS	48	1	0.02	330	(DUAL) C, (IND TEMP/TQFP)	HI5728IN	SMD 302-5573					
5760	INTS	28	1	0.02	165	C, R (IND TEMP)	HI5760BIB	SMD 302-5561					
7395	AD	14◆	2	60	1200	C, DB, S	AD7395AN	314-5669					
7530	INTS	16	2	0.5*	20*	M	AD7530JN	397-374					
7533	AD	16	2	0.6	30*	C, M	AD7533JN	633-094					
7808	AD	24	3	1.5	66	C, DB, S, R	AD7808BN	314-5773					
9750	AD	28	1	0.035	230	C, L, R (IND TEMP)	AD9750AR	SMD 314-6005					
9761	AD	28	½	0.035	200	(DUAL) C, R (SSOP)	AD9761ARS	SMD 284-051					
12-bit D/A													
80	INTS	24	½	1.5	550	R2R, V	HI3DAC80V5	705-354					
312	AD	20	1	0.5	375	M	DAC312HP	397-386					
390	AD	28	½	8	—	QUAD, L, R, V	AD390KD	318-2095					
514	MAX	24◆	½	0.25	696	C, P, R	MAX514ACNG	788-934					
532	MAX	16	½	2.5	762	(Dual) M, S, V	MAX532ACWE	SMD 641-649					
667	AD	28◆	½	4	300*	D/B, L, P, R, V	AD667JN	397-398					
667	BB	28◆	½	4	345*	D/B, L, P, R, V	DAC667JP	295-826†					
767	AD	20◆	1	4	400*	L, P, R, V	AD767JN	397-404					
1201	BB	28◆	1	10	600*	D/B, L, R	DAC1201KPV	397-416					
1446	LT	8	½	14	—	C, R, R2R	LTC1446CN8	791-866					
1451	LT	8	½	14	—	C, R, R2R	LTC1451CN8	641-315					
1451	LT	8	½	14	—	C, R, R2R	LTC1451IS8	SMD 791-570					
1452	LT	8	½	14	—	C, M, R2R	LTC1452CN8	641-327					
5320	AD	8◆	1	8	450	R, R2R, S, V	AD5320BRM	SMD 117-067					
5321	AD	8	0.02	8	0.75	C, V, R, Serial I/P	AD5321BRM	SMD 334-2785					
5322	AD	10	1	8	450	R, R2R, S, V	AD5322BRM	314-5621					
5828	INTS	44	0.75	35ns	312	C, L, P, R (DUAL 125MSPS, LQPF)	HI5828IN	SMD NEW 355-6943					
5860	INTS	28	0.5	35ns	175	C, L, P, R (125MSPS)	HI5860IB	SMD NEW 355-6955					
7237	AD	24◆	1	10	600*	(DUAL) C, D/B, L, P, R, V	AD7237JN	397-453					
7243	AD	16◆	1	0.5	100	R, S, V	AD7243AN	595-007					
7248	AD	20◆	1	10	67*	C, D/B, L, P, R, V	AD7248JN	397-465					
7394	AD	14	1	60	1213	(DUAL) C, DB, R, R2R, S, V (IND TEMP)	AD7394AN	117-079					
7396	AD	24	2	60	1985	(DUAL) C, DB (IND TEMP)	AD7396AN	314-5670					
7521	INTS	18	8	0.5*	20*	C, M	AD7521JN	397-477					
7537	AD	24◆	1	1.5	30	(DUAL) C, D/B, L, M, P	AD7537JN	397-489					
7537	MAX	28◆	1	1.5	450	(DUAL) C, D/B, L, M, P	MAX7537JCWG	SMD NEW 355-7583					
7541	INTS	18	1	1	20*	C, M	AD7541JN	397-490					
7542	AD	16◆	1	2	12.5*	C, D/B, L, M	AD7542JN	397-519					
7542	AD	16◆	½	¾	12.5*	C, D/B, L, M	AD7542KN	397-520					
7542	MAX	16◆	½	¾	12.5*	C, D/B, L, M	MX7542KN	460-035					
7543	MAX	16◆	1	1	12.5*	C, D/B, L, M, S	MX7543JN	460-047					
7545	AD	20◆	½	1	30*	C, L, M, P	AD7545AKN	397-544					
7545	AD	20◆	1	2	30*	C, L, M, P	AD7545KN	397-556					
7545	MP	20◆	½	1	15	C, L, M, P	MP7545BLN	445-447					
7545	AD	20◆	1	1	30*	C, L, M, P	PM7545FP	397-568					
7547	AD	24◆	1	1.5	30*	(DUAL) C, D/B, L, M, P	AD7547JN	397-581					
7548	AD	20◆	1	1.5	450	C, R	AD7548JN	788-569					
7548	AD	20◆	1	1	45*	C, D/B, L, M	PM7548FP	397-593					
7549	AD	20◆	1	1.5*	75*	(DUAL) C, D/B, L, M, P	AD7549JN	397-600					

◆ Microprocessor Compatible. *Typical Value.

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output
 S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P.
 FP Suffix = extended temperature range

† Available until stocks are exhausted

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