

ANALOG

Product Selection Guide



Building Block Solutions for Multi-Market Applications

Across the board. Around the world.

FAIRCHILD
SEMICONDUCTOR®

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Analog Signal Processing

Amplifiers — Op Amps

Part Number	Description	Supply Voltage (±/±) V	Operating Temp (min) °C	Operating Temp (max) °C	Storage Temp (min) °C	Storage Temp (max) °C	Input Offset Voltage (max) mV	Input Offset Current (max) nA	Input Bias Current (max) nA	Supply Current (Typ) mA	Voltage Gain (Typ) V/mV	Output Voltage Swing (low) mV	Output Voltage Swing (high) V	Slew Rate V/μs	Gain BW Product MHz	Package
KA1458	Dual	18	0	70	-65	150	10	300	700	2.3	200		14	0.5		DIP-8
KA1458D	Dual	18	0	70	-65	150	10	300	700	2.3	200		14	0.5		SOP-8
KA1458S	Dual	18	0	70	-65	150	10	300	700	2.3	200		14	0.5		SIP-9
KA224	Quad	16132	-25	85	-65	150	5	30	150	0.7	100	5	28			DIP-14
KA224A	Quad	16132	-25	85	-65	150	3	15	80	0.7	100	5	28			DIP-14
KA224AD	Quad	16132	-25	85	-65	150	3	15	80	0.7	100	5	28			SOP-14
KA224D	Quad	16132	-25	85	-65	150	5	30	150	0.7	100	5	28			SOP-14
KA248	Quad	18	-25	85	-65	150	6	50	200	2.4	160		13	0.5	1	DIP-14
KA248D	Quad	18	-25	85	-65	150	6	50	200	2.4	160		13	0.5	1	SOP-14
KA258	Dual	16132	-25	85	-65	150	5	30	150	0.5	100	5	28			DIP-8
KA258A	Dual	16132	-25	85	-65	150	3	15	80	0.5	100	5	28			DIP-8
KA258AD	Dual	16132	-25	85	-65	150	3	15	80	0.5	100	5	28			SOP-8
KA258D	Dual	16132	-25	85	-65	150	5	30	150	0.5	100	5	28			SOP-8
KA2902	Quad	13126	-40	85	-65	150	7	50	250	0.7	100	5	24			DIP-14
KA2902D	Quad	13126	-40	85	-65	150	7	50	250	0.7	100	5	24			SOP-14
KA2902DTF	Quad	13126	-40	85	-65	150	7	50	250	0.7	100	5	24			SOP-14
KA2902M	Quad	13126	-40	85	-65	150	7	50	250	0.7	100	5	24			DIP-14
KA2904	Dual	13126	-40	85	-65	150	7	50	250	0.5	100	5	24			DIP-8
KA2904D	Dual	13126	-40	85	-65	150	7	50	250	0.5	100	5	24			SOP-8
KA301A	Single	18	0	70	-65	150	7.5	50	250	2	160		14	10		DIP-8
KA324	Quad	16132	0	70	-65	150	7	50	250	0.7	100	5	28			DIP-14
KA324A	Quad	16132	0	70	-65	150	3	30	100	0.7	100	5	28			DIP-14
KA324AD	Quad	16132	0	70	-65	150	3	30	100	0.7	100	5	28			SOP-14
KA324D	Quad	16132	0	70	-65	150	7	50	250	0.7	100	5	28			SOP-14
KA3303	Quad	18136	-40	85	-65	150	8	75	200	2.8	200		12.5	0.4	1	DIP-14
KA3303D	Quad	18136	-40	85	-65	150	8	75	200	2.8	200		12.5	0.4	1	SOP-14
KA334	Dual	40	-40	85	-40	150	60	250	2500	7.5			23	1	0.35	DIP-8
KA3403	Quad	18136	-40	85	-65	150	10	50	200	2.3	200		13.5	0.4	1	DIP-14
KA3403D	Quad	18136	-40	85	-65	150	10	50	200	2.3	200		13.5	0.4	1	SOP-14
KA348	Quad	18	0	70	-65	150	6	50	200	2.4	160		13	0.5	1	DIP-14
KA348D	Quad	18	0	70	-65	150	6	50	200	2.4	160		13	0.5	1	SOP-14
KA358	Dual	16132	0	70	-65	150	7	50	250	0.8	100	5	28			DIP-8
KA358A	Dual	16132	0	70	-65	150	3	30	100	0.8	100	5	28			DIP-8
KA358AD	Dual	16132	0	70	-65	150	3	30	100	0.8	100	5	28			SOP-8
KA358AS	Dual	16132	0	70	-65	150	3	30	100	0.8	100	5	28			SIP-9
KA358D	Dual	16132	0	70	-65	150	7	50	250	0.8	100	5	28			SOP-8
KA358S	Dual	16132	0	70	-65	150	7	50	250	0.8	100	5	28			SIP-9
KA4558	Dual	22	0	70	-65	150	6	200	500	3.5	200		14	1.2		DIP-8
KA4558D	Dual	22	0	70	-65	150	6	200	500	3.5	200		14	1.2		SOP-8
KA4558I	Dual	22	0	70	-65	150	6	200	500	3.5	200		14	1.2		DIP-8
KA4558S	Dual	22	0	70	-65	150	6	200	500	3.5	200		14	1.2		SIP-9

Analog Signal Processing

Amplifiers — Op Amps (Continued)

Part Number	Description	Supply Voltage (±/±) V	Operating Temp (min) °C	Operating Temp (max) °C	Storage Temp (min) °C	Storage Temp (max) °C	Input Offset Voltage (max) mV	Input Offset Current (max) nA	Input Bias Current (max) nA	Supply Current (Typ) mA	Voltage Gain (Typ) V/mV	Output Voltage Swing (low) mV	Output Voltage Swing (high) V	Slew Rate V/μs	Gain BW Product MHz	Package
KA5532	Dual	22	0	70			4	150	800	6	2.2			8	10	DIP-8
KA741	Single	18	0	70	-65	150	6	200	500	1.5	200			0.5		DIP-8
KA741D	Single	18	0	70	-65	150	6	200	500	1.5	200			0.5		SOP-8
KA741I	Single	18	0	70	-65	150	6	200	500	1.5	200			0.5		DIP-8
KF347	Quad (JFET)	18	0	70	-65	150	10	0.1	0.2	7.2	100			13	4	DIP-14
KF351	Single (JFET)	18	0	70	-65	150	10	0.1	0.2	2.3	100			13	4	DIP-8
KF353	Dual (JFET)	18	0	70	-65	150	10	0.1	0.2	3.6	100			13	4	DIP-8
L272D2	Dual	40	-40	85	-40	150	60	250	2500	7.5			23	1	0.35	SOP-16
LF347M	Quad (JFET)	18	0	70	-65	150	10	0.1	0.2	7.2	100			13	4	SOP-14
LF347N	Quad (JFET)	18	0	70	-65	150	10	0.1	0.2	7.2	100			13	4	DIP-14
LF351M	Single (JFET)	18	0	70	-65	150	10	0.1	0.2	2.3	100			13	4	SOP-8
LF351N	Single (JFET)	18	0	70	-65	150	10	0.1	0.2	2.3	100			13	4	DIP-8
LF353M	Dual (JFET)	18	0	70	-65	150	10	0.1	0.2	3.6	100			13	4	SOP-8
LF353N	Dual (JFET)	18	0	70	-65	150	10	0.1	0.2	3.6	100			13	4	DIP-8
LM1458CM	Dual	18	0	70	-65	150	10	300	700	2.3	200		14	0.5		SO8
LM1458CN	Dual	18	0	70	-65	150	10	300	700	2.3	200		14	0.5		DIP8
LM1458M	Dual	18	0	70	-65	150	6	200	500	2.3	200		14	0.5		SO8
LM1458N	Dual	18	0	70	-65	150	6	200	500	2.3	200		14	0.5		DIP8
M2902M	Quad	13126	-40	85	-65	150	7	50	250	0.7	100	5	24			SOP-14
LM2902N	Quad	13126	-40	85	-65	150	7	50	250	0.7	100	5	24			DIP-14
LM2904M	Dual	13126	-40	85	-65	150	7	50	250	0.5	100	5	24			SOP-8
LM2904N	Dual	13126	-40	85	-65	150	7	50	250	0.5	100	5	24			DIP-8
LM324AM	Quad	16132	0	70	-65	150	3	30	100	0.7	100	5	28			SOP-14
LM324AN	Quad	16132	0	70	-65	150	3	30	100	0.7	100	5	28			DIP-14
LM324M	Quad	16132	0	70	-65	150	7	50	250	0.7	100	5	28			SOP-14
LM324N	Quad	16132	0	70	-65	150	7	50	250	0.7	100	5	28			DIP-14
LM348N	Quad	18	0	70	-65	150	6	50	200	2.4	160		13	0.5	1	DIP-14
LM348M	Quad	18	0	70	-65	150	6	50	200	2.4	160		13	0.5	1	SOP-14
LM358AM	Dual	16132	0	70	-65	150	3	30	100	0.5	100	5	28			SOP-8
LM358AN	Dual	16132	0	70	-65	150	3	30	100	0.5	100	5	28			DIP-8
LM358M	Dual	16132	0	70	-65	150	7	50	250	0.5	100	5	28			SOP-8
LM358N	Dual	16132	0	70	-65	150	7	50	250	0.5	100	5	28			DIP-8
LM741CN	Single	18	0	70	-65	150	6	200	500	1.5	200		14	0.5		DIP-8
LM741CM	Single	18	0	70	-65	150	6	200	500	1.5	200		14	0.5		SOP-8
MC3303	Quad	18136	-40	85	-65	150	8	75	200	2.8	200		12.5	0.4	1	DIP-14
MC3303D	Quad	18136	-40	85	-65	150	8	75	200	2.8	200		12.5	0.4	1	SOP-14
MC3403	Quad	18136	-40	85	-65	150	10	50	200	2.3	200		13.5	0.4	1	DIP-14
MC3403D	Quad	18136	-40	85	-65	150	10	50	200	2.3	200		13.5	0.4	1	SOP-14
MC4558CD	Dual	22	0	70	-65	150	6	200	500	3.5	200		14	1.2		SOP-8
MC4558CP	Dual	22	0	70	-65	150	6	200	500	3.5	200		14	1.2		DIP-8
NE5532D	Dual	22	0	70			4	150	800	6	2.2			8	10	SOP-8
NE5532N	Dual	22	0	70			4	150	800	6	2.2			8	10	DIP-8

Analog Signal Processing

Amplifiers — High Performance Hybrid Op Amps

Part Number	Description	SR V/ μ s	Max Out V, mA	Package
KE103	Encased Hybrid Amp	6,000	\pm 11, 200	Metal Enclosure
KE104	Encased Hybrid Amp	4,500	\pm 1.6, 40	Metal Enclosure
KE200	Encased Hybrid Amp	4,000	\pm 12, 100	Metal Enclosure
KE220	Encased Hybrid Amp	7,000	\pm 12, 50	Metal Enclosure
KE231	Encased Hybrid Amp	3,000	\pm 11, 100	Metal Enclosure
KH103AI	150MHz, Hybrid Op Amp	6,000	\pm 11, 200	Wide Ceramic DIP-24
KH103AK	150MHz, Hybrid Op Amp	6,000	\pm 11, 200	Wide Ceramic DIP-24
KH103AM*	150MHz, Hybrid Op Amp	6,000	\pm 11, 200	Wide Ceramic DIP-24
KH104AI	1GHz, Hybrid Op Amp		\pm 3.5, 40	Double Wide Metal DIP-14
KH200AI	95 MHz, Hybrid Op Amp	4,000	\pm 12, 100	TO8-12
KH200AK	95 MHz, Hybrid Op Amp	4,000	\pm 12, 100	TO8-12
KH200AM*	95 MHz, Hybrid Op Amp	4,000	\pm 12, 100	TO8-12
KH205AI	170MHz, Hybrid Op Amp	2,400	\pm 12, 50	TO8-12
KH205AK	170MHz, Hybrid Op Amp	2,400	\pm 12, 50	TO8-12
KH205AM*	170MHz, Hybrid Op Amp	2,400	\pm 12, 50	TO8-12
KH206AI	180MHz, Hybrid Op Amp	3,400	\pm 12, 100	TO8-12
KH206AK	180MHz, Hybrid Op Amp	3,400	\pm 12, 100	TO8-12
KH206AM*	180MHz, Hybrid Op Amp	3,400	\pm 12, 100	TO8-12
KH207AI	170MHz, Low Distortion, Hybrid Op Amp	2,400	\pm 12, 150	TO8-12
KH207AK	170MHz, Low Distortion, Hybrid Op Amp	2,400	\pm 12, 150	TO8-12
KH207AM*	170MHz, Low Distortion, Hybrid Op Amp	2,400	\pm 12, 150	TO8-12
KH220AI	190MHz, Fast Settling, Hybrid Op Amp	7,000	\pm 12, 50	TO8-12
KH220AK	190MHz, Fast Settling, Hybrid Op Amp	7,000	\pm 12, 50	TO8-12
KH220AM*	190MHz, Fast Settling, Hybrid Op Amp	7,000	\pm 12, 50	TO8-12
KH231AI	165MHz, Unity Gain Stable, Hybrid Op Amp	3,000	\pm 12, 100	TO8-12
KH231AK	165MHz, Unity Gain Stable, Hybrid Op Amp	3,000	\pm 12, 100	TO8-12
KH231AM*	165MHz, Unity Gain Stable, Hybrid Op Amp	3,000	\pm 12, 100	TO8-12
KH232AI	175MHz, Unity Gain Stable, Low Distortion, Hybrid Op Amp	3,000	\pm 12, 100	TO8-12
KH232AK	175MHz, Unity Gain Stable, Low Distortion, Hybrid Op Amp	3,000	\pm 12, 100	TO8-12
KH232AM*	175MHz, Unity Gain Stable, Low Distortion, Hybrid Op Amp	3,000	\pm 12, 100	TO8-12
KH300A	85MHz, Hybrid Op Amp	3,000	\pm 10, 100	Wide Ceramic DIP-24
KH560AI	215MHz, Adjustable Rout, Hybrid Op Amp	2,600	\pm 10, 210	Wide Ceramic DIP-24
KH560AK	215MHz, Adjustable Rout, Hybrid Op Amp	2,600	\pm 10, 210	Wide Ceramic DIP-24
KH560AM	215MHz, Adjustable Rout, Hybrid Op Amp	2,600	\pm 10, 210	Wide Ceramic DIP-24
KH561AI	215MHz, Adjustable Rout, Hybrid Op Amp	3,300	\pm 10, 210	Wide Ceramic DIP-24
KH561AK	215MHz, Adjustable Rout, Hybrid Op Amp	3,300	\pm 10, 210	Wide Ceramic DIP-24
KH561AM	215MHz, Adjustable Rout, Hybrid Op Amp	3,300	\pm 10, 210	Wide Ceramic DIP-24
KH600AI	1GHz, Differential I/O, Hybrid Op Amp	13,000	\pm 4.5, 45	TO8-12

*DESC qualified (HXC and HXA) versions also available

Available Evaluation Boards for Hybrid Amplifiers

Part Number	Product/Description
730006	KH103
730007	KH104
730009	KH2xx
730019	KH560, KH561
KEB007	KH600 Eval board without bias control option
KEB009	KH600 Eval board with bias control option

Analog Signal Processing

Amplifiers — High Performance Op Amps

Part Number	# Amps	Power Down Feature	CMIR including Rail	RRIO	Unity Gain BW MHz	Slew Rate V/ μ s	I _s (Note 1) mA	I _{out} mA	Input Voltage Noise nV/ \sqrt Hz	V _{os} mV	Supply Range V	Temp Range (-45 to +85) °C	Package	Packing
KM4100IC8	1	No	Yes	Output	260	150	4.2	±90	16	1.4	2.5 to 5.5	•	SO-8	Tube
KM4100IC8TR3	1	No	Yes	Output	260	150	4.2	±90	16	1.4	2.5 to 5.5	•	SO-8	TnR
KM4100IT5	1	No	Yes	Output	260	150	4.2	±90	16	1.4	2.5 to 5.5	•	SOT23-5	Tube
KM4100IT5TR3	1	No	Yes	Output	260	150	4.2	±90	16	1.4	2.5 to 5.5	•	SOT23-5	TnR
KM4101IC8	1	Yes	Yes	Output	260	150	4.2	±90	16	1.4	2.5 to 5.5	•	SO-8	Tube
KM4101IC8TR3	1	Yes	Yes	Output	260	150	4.2	±90	16	1.4	2.5 to 5.5	•	SO-8	TnR
KM4101IT6	1	Yes	Yes	Output	260	150	4.2	±90	16	1.4	2.5 to 5.5	•	SOT23-6	Tube
KM4101IT6TR3	1	Yes	Yes	Output	260	150	4.2	±90	16	1.4	2.5 to 5.5	•	SOT23-6	TnR
KM4110IT5	1	No	Yes	Output	75	50	0.5	±30	12	1	2.5 to 5.5	•	SOT23-5	Tube
KM4110IT5TR3	1	No	Yes	Output	75	50	0.5	±30	12	1	2.5 to 5.5	•	SOT23-5	TnR
KM4111IT5	1	No	Yes	Output	35	27	0.2	±13	21	1.5	2.5 to 5.5	•	SOT23-5	Tube
KM4111IT5TR3	1	No	Yes	Output	35	27	0.2	±13	21	1.5	2.5 to 5.5	•	SOT23-5	TnR
KM4112IT5	1	No	Yes	Output	7.3	9	0.07	±9	29	1	2.5 to 5.5	•	SOT23-5	Tube
KM4112IT5TR3	1	No	Yes	Output	7.3	9	0.07	±9	29	1	2.5 to 5.5	•	SOT23-5	TnR
KM4120IT6	1	Yes	Yes	Output	75	50	0.5	±30	12	1	2.5 to 5.5	•	SOT23-6	Tube
KM4120IT6TR3	1	Yes	Yes	Output	75	50	0.5	±30	12	1	2.5 to 5.5	•	SOT23-6	TnR
KM4121IT6	1	Yes	Yes	Output	35	27	0.2	±13	21	1.5	2.5 to 5.5	•	SOT23-6	Tube
KM4121IT6TR3	1	Yes	Yes	Output	35	27	0.2	±13	21	1.5	2.5 to 5.5	•	SOT23-6	TnR
KM4170IS5	1	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	SC70-5	Tube
KM4170IS5TR3	1	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	SC70-5	TnR
KM4170IT5	1	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	SOT23-5	Tube
KM4170IT5TR3	1	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	SOT23-5	TnR
KM4200IC8	2	No	Yes	Output	260	145	4.2	±85	16	1.4	2.5 to 5.5	•	SO-8	Tube
KM4200IC8TR3	2	No	Yes	Output	260	145	4.2	±85	16	1.4	2.5 to 5.5	•	SO-8	TnR
KM4200IM8	2	No	Yes	Output	260	145	4.2	±85	16	1.4	2.5 to 5.5	•	MSOP-8	Tube
KM4200IM8TR3	2	No	Yes	Output	260	145	4.2	±85	16	1.4	2.5 to 5.5	•	MSOP-8	TnR
KM4210IC8	2	No	Yes	Output	75	50	0.5	±30	12	1	2.5 to 5.5	•	SO-8	Tube
KM4210IC8TR3	2	No	Yes	Output	75	50	0.5	±30	12	1	2.5 to 5.5	•	SO-8	TnR
KM4210IM8	2	No	Yes	Output	75	50	0.5	±30	12	1	2.5 to 5.5	•	MSOP-8	Tube
KM4210IM8TR3	2	No	Yes	Output	75	50	0.5	±30	12	1	2.5 to 5.5	•	MSOP-8	TnR
KM4211IC8	2	No	Yes	Output	35	27	0.2	±13	21	1.5	2.5 to 5.5	•	SO-8	Tube
KM4211IC8TR3	2	No	Yes	Output	35	27	0.2	±13	21	1.5	2.5 to 5.5	•	SO-8	TnR
KM4211IM8	2	No	Yes	Output	35	27	0.2	±13	21	1.5	2.5 to 5.5	•	MSOP-8	Tube
KM4211IM8TR3	2	No	Yes	Output	35	27	0.2	±13	21	1.5	2.5 to 5.5	•	MSOP-8	TnR
M4212IC8	2	No	Yes	Output	7.3	9	0.07	±9	29	1	2.5 to 5.5	•	SO-8	Tube
KM4212IC8TR3	2	No	Yes	Output	7.3	9	0.07	±9	29	1	2.5 to 5.5	•	SO-8	TnR
KM4212IM8	2	No	Yes	Output	7.3	9	0.07	±9	29	1	2.5 to 5.5	•	MSOP-8	Tube
KM4212IM8TR3	2	No	Yes	Output	7.3	9	0.07	±9	29	1	2.5 to 5.5	•	MSOP-8	TnR
KM4270IC8	2	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	SO-8	Tube
KM4270IC8TR3	2	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	SO-8	TnR
KM4270IM8	2	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	MSOP-8	Tube

*Preliminary Data

**Advanced Data

Note 1: Supply Current per Channel

Note 2: Temperature Range -40 to +125°C

Analog Signal Processing

Amplifiers — High Performance Op Amps (Continued)

Part Number	# Amps	Power Down Feature	CMIR including Rail	RRIO	Unity Gain BW MHz	Slew Rate V/ μ s	I _s (Note 1) mA	I _{out} mA	Input Voltage Noise nV/ \sqrt Hz	V _{os} mV	Supply Range V	Temp Range (-45 to +85) °C	Package	Packing
KM4270IM8TR3	2	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	MSOP-8	TnR
KM4470IP14	4	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	TSSOP-14	Tube
KM4470IP14TR3	4	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	TSSOP-14	TnR
KM7101IT5	1	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	SOT23-5	Tube
KM7101IT5TR3	1	No	Yes	Both	4.3	9	0.16	±30	27	1.5	2.5 to 5.5	•	SOT23-5	TnR
FAN4113IP5	1	No	Yes	Output	36	8	0.75	±9	12	0.5	1.2 to 5.5	•	SC70-5	Tube
FAN4113IP5X	1	No	Yes	Output	36	8	0.75	±9	12	0.5	1.2 to 5.5	•	SC70-5	TnR
FAN4114IP5**	1	No	Yes	Output	2	1	0.13				2.5 to 5.5	•	SC70-5	Tube
FAN4171IS5*	1	No	Yes	Both	19	3	0.5	±13	20	0.1	1.8 to 5.5	•	SOT23-5	Tube
FAN4230MU8**	2	No	Yes	Output	>100	>100	<3	>50			2.5 to 12	•	MSOP-8	Tube
FAN4272MU8*	2	No	Yes	Both	4	9	0.16	±30	32	<0.25	2.5 to 5.5	Note 2	MSOP-8	Tube

* Preliminary Data

** Advanced Data

Note 1: Supply Current per Channel

Note 2: Temperature Range -40 to +125°C

High Performance Op Amp Evaluation Boards

Eval Board	Description	Products
KEB002	Single channel, dual supply SOT23 5 and 6 lead eval board	KM4100, KM4101, KM4110, KM4111, KM4112, KM4120, KM4121, KM4170, FAN4113, FAN4171
KEB003	Single channel, dual supply SOIC 8 lead eval board	KM4100, KM4101, KM4110, KM4111, KM4112, KM4120, KM4121, KM4170, FAN4113, FAN4171
KEB006	Dual channel, dual supply SOIC 8 lead eval board	KM4200, KM4210, KM4211, KM4212, KM4270
KEB008	Single channel, dual supply SOT23 5 and 6 lead eval board for non-standard pin out (KM7101)	KM7101
KEB010	Dual channel, dual supply 8 lead MSOP eval board	KM4200, KM4210, KM4211, KM4212, KM4270
KEB011	Single channel, dual supply SC70 5 and 6 lead eval board	KM4100, KM4101, KM4110, KM4111, KM4112, KM4120, KM4121, KM4170, FAN4171
KEB012	Quad channel, dual supply TSSOP 14 eval board	KM4470
KEB013	Single channel, dual supply SOT23 5 and 6 lead eval board for buffer-style pin out (FAN4114)	FAN4114
KEB014	Single channel, dual supply SC70 5 and 6 lead eval board for buffer-style pin out (FAN4114)	FAN4114

Analog Signal Processing

Amplifiers — Application Specific Standard Products

Part Number	Title	Gain Range dB	Power Dissipation at G=26dB mW	2nd/3rd HD at G=26dB dBC	Transmit Output Noise at G=26dB nV/ $\sqrt{\text{Hz}}$	Transmit Output Noise at G=-26dB nV/ $\sqrt{\text{Hz}}$	Note
FAN4000*	Upstream CATV Amplifier for Cable Modems	63 in 1dB steps	500	-70/-56 at 65MHz Vin=34dBmV	70	8.5	1

*Product In Development: Consult Factory

Note 1: DOCSIS & EuroDOCSIS compatible directly replaces MAX3510 & MT1530

Analog Multipliers

Part Number	Package	Packing
RC4200AM	SO-8	Tube
RC4200AN	DIP-8	Tube
RC4200M	SO-8	Tube
RC4200MT	SO-8	TnR
RC4200N	DIP-8	Tube

Analog Signal Processing

Comparators

Part Number	Number of Comparators	Supply Voltage (±/+) V	Operating Temp (Min) °C	Operating Temp (max) °C	Storage Temp (min) °C	Storage Temp (max) °C	Input Offset Voltage (max) mV	Input Offset Current (max) nA	Input Bias Current (max) nA	Supply Current (Typ) mA	Voltage Gain (Typ) V/mV	Response Time ns	Package
KA239	4	18136	-25	85	-65	150	5	50	250	1.1	200	1400	DIP-14
KA239A	4	18136	-25	85	-65	150	2	50	250	1.1	200	1400	DIP-14
KA239AD	4	18136	-25	85	-65	150	2	50	250	1.1	200	1400	SOP-14
KA239D	4	18136	-25	85	-65	150	5	50	250	1.1	200	1400	SOP-14
KA2901	4	18136	-40	85	-65	150	7	50	250	1.1	100	1400	DIP-14
KA2901D	4	18136	-40	85	-65	150	7	50	250	1.1	100	1400	SOP-14
KA2903	2	18136	-40	85	-65	150	7	50	250	0.6	100	1500	DIP-8
KA2903D	2	18136	-40	85	-65	150	7	50	250	0.6	100	1500	SOP-8
KA2903M	2	18136	-40	85	-65	150	7	50	250	0.6	100	1500	DIP-8
KA293	2	18136	-25	85	-65	150	5	50	250	0.6	200	1400	DIP-8
KA293D	2	18136	-25	85	-65	150	5	50	250	0.6	200	1400	SOP-8
KA293A	2	18136	-25	85	-65	150	2	50	250	0.6	200	1400	DIP-8
KA293AD	2	18136	-25	85	-65	150	2	50	250	0.6	200	1400	SOP-8
KA311	1	36	0	70	-65	150	7.5	50	250	3	200	200	DIP-8
KA311D	1	36	0	70	-65	150	7.5	50	250	3	200	200	SOP-8
KA319	2	36	0	70	-65	150	8	200	1000	3.6	40	80	DIP-14
KA319D	2	36	0	70	-65	150	8	200	1000	3.6	40	80	SOP-14
KA3302	4	14128	-40	85	-65	150	20	100	250	2	30	1400	DIP-14
KA3302D	4	14128	-40	85	-65	150	20	100	250	2	30	1400	SOP-14
KA339	4	18136	0	70	-65	150	5	50	250	1.1	200	1400	DIP-14
KA339A	4	18136	0	70	-65	150	2	50	250	1.1	200	1400	DIP-14
KA339AD	4	18136	0	70	-65	150	2	50	250	1.1	200	1400	SOP-14
KA339D	4	18136	0	70	-65	150	5	50	250	1.1	200	1400	SOP-14
KA393	2	18136	0	70	-65	150	5	50	250	0.6	200	1400	DIP-8
KA393A	2	18136	0	70	-65	150	2	50	250	0.6	200	1400	DIP-8
KA393AD	2	18136	0	70	-65	150	2	50	250	0.6	200	1400	SOP-8
KA393D	2	18136	0	70	-65	150	5	50	250	0.6	200	1400	SOP-8
KA393S	2	18136	0	70	-65	150	5	50	250	0.6	200	1400	SIP-9
LM2901M	4	18136	-40	85	-65	150	7	50	250	2	100	1400	SOP-14
LM2901N	4	18136	-40	85	-65	150	7	50	250	2	100	1400	SOP-14
LM2903M	2	18136	-40	85	-65	150	7	50	250	0.6	100	1500	SO-8
LM2903N	2	18136	-40	85	-65	150	7	50	250	0.6	100	1500	DIP-8
LM311M	1	36	0	70	-65	150	7.5	50	250	3	200	200	SO-8
LM311N	1	36	0	70	-65	150	7.5	50	250	3	200	200	DIP-8
LM339AN	4	18136	0	70	-65	150	5	50	250	2	200	1400	DIP-14
LM339AM	4	18136	0	70	-65	150	5	50	250	2	200	1400	SOP-14
LM339M	4	18136	0	70	-65	150	5	50	250	2	200	1400	SOP-14
LM339N	4	18136	0	70	-65	150	5	50	250	2	200	1400	DIP-14
LM393AN	2	18136	0	70	-65	150	5	50	250	0.6	200	1400	DIP-8
LM393AM	2	18136	0	70	-65	150	5	50	250	0.6	200	1400	SO-8
LM393M	2	18136	0	70	-65	150	5	50	250	0.6	200	1400	SO-8
LM393N	2	18136	0	70	-65	150	5	50	250	0.6	200	1400	DIP-8

Analog Signal Processing

Power Amplifiers

Part Number	Supply Voltage (min) V	Supply Voltage (max) V	Output Power (typ) mW	Test Condition	THD Rating Typ VCC=2.0V, Freq=1kHz, Po=1mW %	Package
FAN7000D	1.8	4	40 at Vcc=3V	8Ω THD ≤ 1%	0.2	SOP-8
FAN7021M	2	5.5	1000 at Vcc=5V	8Ω THD ≤ 1%	0.2	SOP-8

Voltage to Frequency Converters

Part Number	Package	Packing
KA331	DIP-8	Tube
LM331	DIP-8	Tube

Data Conversion

Analog to Digital Converters (ADCs)

Part Number	Resolution bits	Number of Converters	Conversion Rate MHz	Non-Linearity		Power Supply Voltages			Power Consumption mW	Package	Packing
				Differential	Integral	Analog V	Digital V	Common V			
FMS9874AKGC100*	8	3	108	0.5	0.8	-	3.3	-	800	MQFP-100	Tray
FMS9874AKGC140*	8	3	140	0.5	0.8	-	3.3	-	800	MQFP-100	Tray
FMS9884AKAC100	8	3	108	0.5	0.8	-	3.3	-	950	MQFP-128	Tray
FMS9884AKAC140	8	3	140	0.5	0.8	-	3.3	-	950	MQFP-128	Tray
FMS9884AKAC175	8	3	175	-	-	-	3.3	-	950	MQFP-128	Tray
FMS9875KGC100*	8	3	108	0.5	0.8	-	3.3	-	500	MQFP-100	Tray
FMS9875KGC140*	8	3	140	0.5	0.8	-	3.3	-	500	MQFP-100	Tray
TMC1103KLC20	8	3	20	0.5	0.5	-	5	-	472	MQFP-80	Tray
TMC1103KLC40	8	3	40	0.5	0.5	-	5	-	630	MQFP-80	Tray
TMC1103KLC50	8	3	50	0.5	0.5	-	5	-	709	MQFP-80	Tray
TMC1175AM7C20	8	1	20	0.5	0.5	5	5	-	158	SO-24	Tube
TMC1175AN2C20	8	1	20	0.5	0.5	5	5	-	158	PDIP-24	Tube
TMC1175AR3C20	8	1	20	0.5	0.5	5	5	-	158	PLCC-28	Tube
TMC1175AM7C30	8	1	30	0.5	0.5	5	5	-	184	SO-24	Tube
TMC1175AN2C30	8	1	30	0.5	0.5	5	5	-	184	PDIP-24	Tube
TMC1175AR3C30	8	1	30	0.5	0.5	5	5	-	184	PLCC-28	Tube
TMC1175AM7C40	8	1	40	0.5	0.5	5	5	-	210	SO-24	Tube
TMC1175AN2C40	8	1	40	0.5	0.5	5	5	-	210	PDIP-24	Tube
TMC1175AR3C40	8	1	40	0.5	0.5	5	5	-	210	PLCC-28	Tube
TMC1175AM7C50	8	1	50	0.5	0.5	5	5	-	252	SO-24	Tube
TMC1175AN2C50	8	1	50	0.5	0.5	5	5	-	252	PDIP-24	Tube
TMC1175AR3C50	8	1	50	0.5	0.5	5	5	-	252	PLCC-28	Tube
TMC1203KLC20	8	3	20	0.5	0.5	-	-	-	473	MQFP-80	Tray
TMC1203KLC40	8	3	40	0.5	0.5	-	-	-	630	MQFP-80	Tray
TMC1203KLC50	8	3	50	0.5	0.5	-	-	-	709	MQFP-80	Tray

*Product In Development: Consult Factory

Data Conversion

Digital to Analog Converters (DACs)

Part Number	Resolution bits	Number of Converters	Conversion Rate MHz	Non-Linearity		Power Supply Voltages			Power Consumption mW	Package	Packing
				Differential	Integral	Analog V	Digital V	Common V			
FMS3110KRC	10	3	100	0.3	0.3		5		655	LQFP-48	Tray
FMS3115KRC	10	3	150	0.3	0.3		5		655	LQFP-48	Tray
FMS3810KRC	8	3	100	0.3	0.3		5		655	LQFP-48	Tray
FMS3815KRC	8	3	150	0.3	0.3		5		655	LQFP-48	Tray
FMS3818KRC*	8	3	180	0.3	0.3		5		655	LQFP-48	Tray
TMC3003KRC30	10	3	30	1	1	-	5	-	525	LQFP-48	Tray
TMC3003R2C30	10	3	30	1	1	-	5	-	525	PLCC-44	Tube
TMC3003KRC50	10	3	50	1	1	-	5	-	525	LQFP-48	Tray
TMC3003R2C50	10	3	50	1	1	-	5	-	525	PLCC-44	Tube
TMC3003KRC80	10	3	80	1	1	-	5	-	656	LQFP-48	Tray
TMC3003R2C80	10	3	80	1	1	-	5	-	656	PLCC-44	Tube
TMC3033KRC30	10	3	30	1	1	-	3.3	-	300	LQFP-48	Tray
TMC3033R2C30	10	3	30	1	1	-	3.3	-	300	PLCC-44	Tube
TMC3033KRC50	10	3	50	1	1	-	3.3	-	315	LQFP-48	Tray
TMC3033R2C50	10	3	50	1	1	-	3.3	-	315	PLCC-44	Tube
TMC3033KRC80	10	3	80	1	1	-	3.3	-	435	LQFP-48	Tray
TMC3033R2C80	10	3	80	1	1	-	3.3	-	435	PLCC-44	Tube
TMC3503KRC30	8	3	30	0.5	0.5	-	5	-	525	LQFP-48	Tray
TMC3503R2C30	8	3	30	0.5	0.5	-	5	-	525	PLCC-44	Tube
TMC3503KRC50	8	3	50	0.5	0.5	-	5	-	525	LQFP-48	Tray
TMC3503R2C50	8	3	50	0.5	0.5	-	5	-	525	PLCC-44	Tube
TMC3503KRC80	8	3	80	0.5	0.5	-	5	-	655	LQFP-48	Tray
TMC3503R2C80	8	3	80	0.5	0.5	-	5	-	655	PLCC-44	Tube
TMC3533KRC30	8	3	30	0.25	0.25	-	3.3	-	330	LQFP-48	Tray
TMC3533R2C30	8	3	30	0.25	0.25	-	3.3	-	330	PLCC-44	Tube
TMC3533KRC50	8	3	50	0.25	0.25	-	3.3	-	330	LQFP-48	Tray
TMC3533R2C50	8	3	50	0.25	0.25	-	3.3	-	330	PLCC-44	Tube
TMC3533KRC80	8	3	80	0.25	0.25	-	3.3	-	346	LQFP-48	Tray
TMC3533R2C80	8	3	80	0.25	0.25	-	3.3	-	346	PLCC-44	Tube

*Product In Development: Consult Factory

Power Management

Battery Charger ICs

Part Number	Supply Voltage V	Vref Tolerance (± %)	Output Sink Current (max) mA	LDO Drive Output	Package	Packing
FAN7563D	2.5~1.5	1	20	No	SOP-8	Tube, TnR
FAN7564D	2.5~1.5	1	20	Yes	SOP-14	Tube, TnR

Power Management

Linear Regulators — Standard Regulators

Part Number	# Outputs	Output Level	Output Voltage Tolerance (\pm / \pm) %	Input Voltage [VI] (max) V	ADJ Output Voltage [VO] (min) V	Output Voltage [VO] (Typ) V	ADJ Output Voltage [VO] (max) V	Output Current [IO] (Typ) A	Voltage Drop [VD] (max) V	Operating Temp °C	Storage Temp Range (min) °C	Package	Packing
KA317	1	Positive		40	1.2	ADJ	37	1.5	3	0 to 125	-65 to 125	TO220	Bulk
KA317HVTU	3	Positive		60	1.2	ADJ	57	1.5	3	0 to 125	-65 to 125	TO220	Tube
KA317LZBU	1	Positive		40	1.2	ADJ	37	0.1	3	0 to 125	-65 to 125	TO92	Bulk
KA317LZTA	1	Positive		40	1.2	ADJ	37	0.1	3	0 to 125	-65 to 125	TO92	Ammo Pack
KA317LZTF	1	Positive		40	1.2	ADJ	37	0.1	3	0 to 125	-65 to 125	TO92	TnR
KA317MRTF	1	Positive		40	1.2	ADJ	37	0.5	3	0 to 125	-65 to 125	D-PAK	TnR
KA317MRTM	1	Positive		40	1.2	ADJ	37	0.5	3	0 to 125	-65 to 125	D-PAK	TnR 90°
KA317MTU	1	Positive		40	1.2	ADJ	37	0.5	3	0 to 125	-65 to 125	TO220	Tube
KA317TU	1	Positive		40	1.2	ADJ	37	1.5	3	0 to 125	-65 to 125	TO220	Tube
KA337	1	Negative		40	1.2	ADJ	37	1.5	3	0 to 125	-65 to 125	TO220	Bulk
KA337TU	1	Negative		40	1.2	ADJ	37	1.5	3	0 to 125	-65 to 125	TO220	Tube
KA350	1	Positive		35	1.2	ADJ	33	3	3	0 to 125	-65 to 125	TO220	Bulk
KA350TU	1	Positive		35	1.2	ADJ	33	3	3	0 to 125	-65 to 125	TO220	Tube
KA723	1	Positive		40	2	ADJ	37	0.15	38	0 to 70	-65 to 150	DIP-14	Tube
KA723D	1	Positive		40	2	ADJ	37	0.15	38	0 to 70	-65 to 150	SOP-14	Tube
KA723DTF	1	Positive		40	2	ADJ	37	0.15	38	0 to 70	-65 to 150	SOP-14	TnR
KA7630	3	Positive	2	20		5.1 8 12		0.5	2.5	0 to 125	150	SIP-10 H/S	Tube
KA7630TS	3	Positive	2	20		5.1 8 12		0.5	2.5	0 to 125	150	SIP-10 H/S	Tube
KA7631	3	Positive	2	20		5.1 8 12		0.5	2.5	0 to 125	150	SIP-10 H/S	Tube
KA7631TS	3	Positive	2	20		5.1 8 12		0.5	2.5	0 to 125	150	SIP-10 H/S	Tube
KA7632	3	Positive	2	20		3.3 8 5.1		0.5	2.5	0 to 125	150	SIP-10 H/S	Tube
KA7632TS	3	Positive	2	20		3.3 8 5.1		0.5	2.5	0 to 125	150	SIP-10 H/S	Tube
KA7633	3	Positive	2	20		3.3 8 5.1		0.5	2.5	0 to 125	150	SIP-10 H/S	Tube
KA7805	1	Positive	4	35		5		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7805A	1	Positive	2	35		5		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7805ATSTU	1	Positive	2	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
KA7805ATU	1	Positive	2	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
KA7805RTF	1	Positive	4	35		5		1	2	0 to 125	-65 to 150	D-PAK	TnR
KA7805RTM	1	Positive	4	35		5		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
KA7805TSTU	1	Positive	4	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
KA7805TU	1	Positive	4	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
KA7806	1	Positive	4	35		6		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7806A	1	Positive	2	35		6		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7806ATU	1	Positive	2	35		6		1	2	0 to 125	-65 to 150	TO220	Tube
KA7806RTM	1	Positive	4	35		6		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
KA7806TSTU	1	Positive	4	35		6		1	2	0 to 125	-65 to 150	TO220	Tube
KA7806TU	1	Positive	4	35		6		1	2	0 to 125	-65 to 150	TO220	Tube
KA7808	1	Positive	4	35		8		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7808A	1	Positive	2	35		8		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7808ATU	1	Positive	2	35		8		1	2	0 to 125	-65 to 150	TO220	Tube
KA7808RTM	1	Positive	4	35		8		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
KA7808TSTU	1	Positive	4	35		8		1	2	0 to 125	-65 to 150	TO220	Tube
KA7808TU	1	Positive	4	35		8		1	2	0 to 125	-65 to 150	TO220	Tube

Power Management

Linear Regulators — Standard Regulators (Continued)

Part Number	# Outputs	Output Level	Output Voltage Tolerance (\pm / $+$) %	Input Voltage [VI] (max) V	ADJ Output Voltage [VO] (min) V	Output Voltage [VO] (Typ) V	ADJ Output Voltage [VO] (max) V	Output Current [IO] (Typ) A	Voltage Drop [VD] (max) V	Operating Temp °C	Storage Temp Range (min) °C	Package	Packing
KA7809	1	Positive	4	35		9		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7809A	1	Positive	2	35		9		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7809ATU	1	Positive	2	35		9		1	2	0 to 125	-65 to 150	TO220	Tube
KA7809RTF	1	Positive	4	35		9		1	2	0 to 125	-65 to 150	D-PAK	TnR
KA7809RTM	1	Positive	4	35		9		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
KA7809STU	1	Positive	4	35		9		1	2	0 to 125	-65 to 150	TO220	Tube
KA7809TU	1	Positive	4	35		9		1	2	0 to 125	-65 to 150	TO220	Tube
KA7810	1	Positive	4	35		10		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7810ATU	1	Positive	2	35		10		1	2	0 to 125	-65 to 150	TO220	Tube
KA7810TU	1	Positive	4	35		10		1	2	0 to 125	-65 to 150	TO220	Tube
KA7812	1	Positive	4	35		12		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7812A	1	Positive	2	35		12		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7812ATU	1	Positive	2	35		12		1	2	0 to 125	-65 to 150	TO220	Tube
KA7812RTF	1	Positive	4	35		12		1	2	0 to 125	-65 to 150	D-PAK	TnR
KA7812RTM	1	Positive	4	35		12		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
KA7812STU	1	Positive	4	35		12		1	2	0 to 125	-65 to 150	TO220	Tube
KA7812TU	1	Positive	4	35		12		1	2	0 to 125	-65 to 150	TO220	Tube
KA7815	1	Positive	4	35		15		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7815A	1	Positive	2	35		15		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7815ATU	1	Positive	2	35		15		1	2	0 to 125	-65 to 150	TO220	Tube
KA7815STU	1	Positive	4	35		15		1	2	0 to 125	-65 to 150	TO220	Tube
KA7815TU	1	Positive	4	35		15		1	2	0 to 125	-65 to 150	TO220	Tube
KA7818	1	Positive	4	35		18		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7818ATU	1	Positive	2	35		18		1	2	0 to 125	-65 to 150	TO220	Tube
KA7818STU	1	Positive	4	35		18		1	2	0 to 125	-65 to 150	TO220	Tube
KA7818TU	1	Positive	4	35		18		1	2	0 to 125	-65 to 150	TO220	Tube
KA7824	1	Positive	4	40		24		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7824ATU	1	Positive	2	40		24		1	2	0 to 125	-65 to 150	TO220	Tube
KA7824STU	1	Positive	4	40		24		1	2	0 to 125	-65 to 150	TO220	Tube
KA7824TU	1	Positive	4	40		24		1	2	0 to 125	-65 to 150	TO220	Tube
KA78L05AAZBU	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
KA78L05AAZTA	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo Pack
KA78L05AD	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	SOP-8	Tube
KA78L05ADTF	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	SOP-8	TnR
KA78L05AMTF	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	SOT89	TnR
KA78L05AZBU	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
KA78L05AZMTA	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo Pack
KA78L05AZTA	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo Pack
KA78L05AZTF	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	TO92	TnR
KA78L06AZBU	1	Positive	5	30		6		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
KA78L06AZTA	1	Positive	5	30		6		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo Pack
KA78L08AD	1	Positive	5	30		8		0.1	1.7	0 to 150	-65 to 150	SOP-8	Tube
KA78L08ADTF	1	Positive	5	30		8		0.1	1.7	0 to 150	-65 to 150	SOP-8	TnR

Power Management

Linear Regulators — Standard Regulators (Continued)

Part Number	# Outputs	Output Level	Output Voltage Tolerance (±/+) %	Input Voltage [VI] (max) V	ADJ Output Voltage [VO] (min) V	Output Voltage [VO] (Typ) V	ADJ Output Voltage [VO] (max) V	Output Current [IO] (Typ) A	Voltage Drop [VD] (max) V	Operating Temp °C	Storage Temp Range (min) °C	Package	Packing
KA78L08AMTF	1	Positive	5	30		8		0.1	1.7	0 to 150	-65 to 150	SOT89	TnR
KA78L08AZBU	1	Positive	5	30		8		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
KA78L08AZTA	1	Positive	5	30		8		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo Pack
KA78L08AZTF	1	Positive	5	30		8		0.1	1.7	0 to 150	-65 to 150	TO92	TnR
KA78L09AZBU	1	Positive	5	30		9		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
KA78L09AZTA	1	Positive	5	30		9		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo Pack
KA78L10AZBU	1	Positive	5	30		10		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
KA78L10AZTA	1	Positive	5	30		10		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo Pack
KA78L12AD	1	Positive	5	35		12		0.1	1.7	0 to 150	-65 to 150	SOP-8	Tube
KA78L12ADTF	1	Positive	5	35		12		0.1	1.7	0 to 150	-65 to 150	SOP-8	TnR
KA78L12AMTF	1	Positive	5	35		12		0.1	1.7	0 to 150	-65 to 150	SOT89	TnR
KA78L12AZBU	1	Positive	5	35		12		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
KA78L12AZTA	1	Positive	5	35		12		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo Pack
KA78L12AZTF	1	Positive	5	35		12		0.1	1.7	0 to 150	-65 to 150	TO92	TnR
KA78L15AZBU	1	Positive	5	35		15		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
KA78L15AZTA	1	Positive	5	35		15		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo Pack
KA78L18AZBU	1	Positive	5	35		18		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
KA78L24AZBU	1	Positive	5	40		24		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
KA78L24AZTA	1	Positive	5	40		24		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo Pack
KA78M05	1	Positive		35		5		0.5	2	0 to 125	-65 to 150	TO220	Bulk
KA78M05RTF	1	Positive		35		5		0.5	2	0 to 125	-65 to 150	D-PAK	TnR
KA78M05RTM	1	Positive		35		5		0.5	2	0 to 125	-65 to 150	D-PAK	TnR 90°
KA78M05TSTU	1	Positive		35		5		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M05TU	1	Positive		35		5		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M06	1	Positive		35		6		0.5	2	0 to 125	-65 to 150	TO220	Bulk
KA78M06RTF	1	Positive		35		6		0.5	2	0 to 125	-65 to 150	D-PAK	TnR
KA78M06TSTU	1	Positive		35		6		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M06TU	1	Positive		35		6		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M08	1	Positive		35		8		0.5	2	0 to 125	-65 to 150	TO220	Bulk
KA78M08RTF	1	Positive		35		8		0.5	2	0 to 125	-65 to 150	D-PAK	TnR
KA78M08RTM	1	Positive		35		8		0.5	2	0 to 125	-65 to 150	D-PAK	TnR 90°
KA78M08TSTU	1	Positive		35		8		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M08TU	1	Positive		35		8		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M10	1	Positive		35		10		0.5	2	0 to 125	-65 to 150	TO220	Bulk
KA78M10RTF	1	Positive		35		10		0.5	2	0 to 125	-65 to 150	D-PAK	TnR
KA78M10RTM	1	Positive		35		10		0.5	2	0 to 125	-65 to 150	D-PAK	TnR 90°
KA78M10TU	1	Positive		35		10		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M12	1	Positive		35		12		0.5	2	0 to 125	-65 to 150	TO220	Bulk
KA78M12RTF	1	Positive		35		12		0.5	2	0 to 125	-65 to 150	D-PAK	TnR
KA78M12RTM	1	Positive		35		12		0.5	2	0 to 125	-65 to 150	D-PAK	TnR 90°
KA78M12TSTU	1	Positive		35		12		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M12TU	1	Positive		35		12		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M15	1	Positive		35		15		0.5	2	0 to 125	-65 to 150	TO220	Bulk

Power Management

Linear Regulators — Standard Regulators (Continued)

Part Number	# Outputs	Output Level	Output Voltage Tolerance (\pm/\pm) %	Input Voltage [VI] (max) V	ADJ Output Voltage [VO] (min) V	Output Voltage [VO] (Typ) V	ADJ Output Voltage [VO] (max) V	Output Current [IO] (Typ) A	Voltage Drop [VD] (max) V	Operating Temp °C	Storage Temp Range (min) °C	Package	Packing
KA78M15TSTU	1	Positive		35		15		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M15TU	1	Positive		35		15		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M18	1	Positive		35		18		0.5	2	0 to 125	-65 to 150	TO220	Bulk
KA78M18TSTU	1	Positive		35		18		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M18TU	1	Positive		35		18		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M24	1	Positive		40		24		0.5	2	0 to 125	-65 to 150	TO220	Bulk
KA78M24TSTU	1	Positive		40		24		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78M24TU	1	Positive		40		24		0.5	2	0 to 125	-65 to 150	TO220	Tube
KA78T05	1	Positive	4	35		5		3	2.2	0 to 150	-65 to 150	TO220	Bulk
KA78T05TU	1	Positive	4	35		5		3	2.2	0 to 150	-65 to 150	TO220	Tube
KA78T12	1	Positive	4	35		12		3	2.2	0 to 150	-65 to 150	TO220	Bulk
KA78T12TU	1	Positive	4	35		12		3	2.2	0 to 150	-65 to 150	TO220	Tube
KA78T15	1	Positive	4	40		15		3	2.2	0 to 150	-65 to 150	TO220	Bulk
KA78T15TU	1	Positive	4	40		15		3	2.2	0 to 150	-65 to 150	TO220	Tube
KA7905	1	Negative	4	35		5		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7905ATU	1	Negative	2	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
KA7905TSTU	1	Negative	4	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
KA7905TU	1	Negative	4	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
KA7906	1	Negative	4	35		6		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7906TSTU	1	Negative	4	35		6		1	2	0 to 125	-65 to 150	TO220	Tube
KA7906TU	1	Negative	4	35		6		1	2	0 to 125	-65 to 150	TO220	Tube
KA7908	1	Negative	4	35		8		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7908TSTU	1	Negative	4	35		8		1	2	0 to 125	-65 to 150	TO220	Tube
KA7908TU	1	Negative	4	35		8		1	2	0 to 125	-65 to 150	TO220	Tube
KA7909	1	Negative	4	35		9		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7909TU	1	Negative	4	35		9		1	2	0 to 125	-65 to 150	TO220	Tube
KA7910	1	Negative	4	35		10		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7910TU	1	Negative	4	35		10		1	2	0 to 125	-65 to 150	TO220	Tube
KA7912	1	Negative	4	35		12		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7912ATU	1	Negative	2	35		12		1	2	0 to 125	-65 to 150	TO220	Tube
KA7912TSTU	1	Negative	4	35		12		1	2	0 to 125	-65 to 150	TO220	Tube
KA7912TU	1	Negative	4	35		12		1	2	0 to 125	-65 to 150	TO220	Tube
KA7915	1	Negative	4	35		15		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7915ATU	1	Negative	2	35		15		1	2	0 to 125	-65 to 150	TO220	Tube
KA7915TSTU	1	Negative	4	35		15		1	2	0 to 125	-65 to 150	TO220	Tube
KA7915TU	1	Negative	4	35		15		1	2	0 to 125	-65 to 150	TO220	Tube
KA7918	1	Negative	4	35		18		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7918TSTU	1	Negative	4	35		18		1	2	0 to 125	-65 to 150	TO220	Tube
KA7918TU	1	Negative	4	35		18		1	2	0 to 125	-65 to 150	TO220	Tube
KA7924	1	Negative	4	35		24		1	2	0 to 125	-65 to 150	TO220	Bulk
KA7924TSTU	1	Negative	4	35		24		1	2	0 to 125	-65 to 150	TO220	Tube
KA7924TU	1	Negative	4	35		24		1	2	0 to 125	-65 to 150	TO220	Tube
KA79L05AD	1	Negative	5	30		5		0.1	1.7	0 to 125	-65 to 150	SOP-8	Tube

Power Management

Linear Regulators — Standard Regulators (Continued)

Part Number	# Outputs	Output Level	Output Voltage Tolerance (±/+) %	Input Voltage [VI] (max) V	ADJ Output Voltage [VO] (min) V	Output Voltage [VO] (Typ) V	ADJ Output Voltage [VO] (max) V	Output Current [IO] (Typ) A	Voltage Drop [VD] (max) V	Operating Temp °C	Storage Temp Range (min) °C	Package	Packing
KA79L05AZBU	1	Negative	5	30		5		0.1	1.7	0 to 125	-65 to 150	TO92	Bulk
KA79L05AZTA	1	Negative	5	30		5		0.1	1.7	0 to 125	-65 to 150	TO92	Ammo Pack
KA79L08AZBU	1	Negative	5	30		8		0.1	1.7	0 to 125	-65 to 150	TO92	Bulk
KA79L08AZTA	1	Negative	5	30		8		0.1	1.7	0 to 125	-65 to 150	TO92	Ammo Pack
KA79L12AZBU	1	Negative	5	35		12		0.1	1.7	0 to 125	-65 to 150	TO92	Bulk
KA79L12AZTA	1	Negative	5	35		12		0.1	1.7	0 to 125	-65 to 150	TO92	Ammo Pack
KA79L15AZBU	1	Negative	5	35		15		0.1	1.7	0 to 125	-65 to 150	TO92	Bulk
KA79L15AZTA	1	Negative	5	35		15		0.1	1.7	0 to 125	-65 to 150	TO92	Ammo Pack
KA79L18AZBU	1	Negative	5	35		18		0.1	1.7	0 to 125	-65 to 150	TO92	Bulk
KA79L24AZTA	1	Negative	5	40		24		0.1	1.7	0 to 125	-65 to 150	TO92	Ammo Pack
KA79M05	1	Negative		35		5		0.5	2	0 to 125	-65 to 125	TO220	Bulk
KA79M05RTF	1	Negative		35		5		0.5	2	0 to 125	-65 to 125	D-PAK	TnR
KA79M05RTM	1	Negative		35		5		0.5	2	0 to 125	-65 to 125	D-PAK	TnR 90°
KA79M05STU	1	Negative		35		5		0.5	2	0 to 125	-65 to 125	TO220	Tube
KA79M05TU	1	Negative		35		5		0.5	2	0 to 125	-65 to 125	TO220	Tube
KA79M06	1	Negative		35		6		0.5	2	0 to 125	-65 to 125	TO220	Bulk
KA79M06TU	1	Negative		35		6		0.5	2	0 to 125	-65 to 125	TO220	Tube
KA79M08	1	Negative		35		8		0.5	2	0 to 125	-65 to 125	TO220	Bulk
KA79M08RTF	1	Negative		35		8		0.5	2	0 to 125	-65 to 125	D-PAK	TnR
KA79M08RTM	1	Negative		35		8		0.5	2	0 to 125	-65 to 125	D-PAK	TnR 90°
KA79M08TU	1	Negative		35		8		0.5	2	0 to 125	-65 to 125	TO220	Tube
KA79M12	1	Negative		35		12		0.5	2	0 to 125	-65 to 125	TO220	Bulk
KA79M12RTF	1	Negative		35		12		0.5	2	0 to 125	-65 to 125	D-PAK	TnR
KA79M12RTM	1	Negative		35		12		0.5	2	0 to 125	-65 to 125	D-PAK	TnR 90°
KA79M12TSTU	1	Negative		35		12		0.5	2	0 to 125	-65 to 125	TO220	Tube
KA79M12TU	1	Negative		35		12		0.5	2	0 to 125	-65 to 125	TO220	Tube
KA79M15	1	Negative		35		15		0.5	2	0 to 125	-65 to 125	TO220	Bulk
KA79M15TSTU	1	Negative		35		15		0.5	2	0 to 125	-65 to 125	TO220	Tube
KA79M15TU	1	Negative		35		15		0.5	2	0 to 125	-65 to 125	TO220	Tube
KA79M18	1	Negative		35		18		0.5	2	0 to 125	-65 to 125	TO220	Bulk
KA79M18TU	1	Negative		35		18		0.5	2	0 to 125	-65 to 125	TO220	Tube
KA79M24	1	Negative		40		24		0.5	2	0 to 125	-65 to 125	TO220	Bulk
KA79M24TU	1	Negative		40		24		0.5	2	0 to 125	-65 to 125	TO220	Tube
LM317LZ	1	Positive		40	1.2	Adj.	37	0.1	3	0 to 125	-65 to 125	TO92	Bulk
LM317LZX	1	Positive		40	1.2	Adj.	37	0.1	3	0 to 125	-65 to 125	TO92	TnR
LM317LZXA	1	Positive		40	1.2	Adj.	37	0.1	3	0 to 125	-65 to 125	TO92	Ammo
LM317MDTX	1	Positive		40	1.2	Adj.	37	0.5	3	0 to 125	-65 to 125	D-PAK	TnR
LM317MDTXM	1	Positive		40	1.2	Adj.	37	0.5	3	0 to 125	-65 to 125	D-PAK	TnR 90°
LM317T	1	Positive		40	1.2	Adj.	37	1.5	3	0 to 125	-65 to 125	TO220	Tube
LM337T	1	Negative		40	1.2	Adj.	37	1.5	3	0 to 125	-65 to 125	TO220	Tube
LM350T	1	Positive		35	1.2	Adj.	33	3	3	0 to 125	-65 to 150	TO220	Tube
LM7805CT	1	Positive	4	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
LM78L05ACZ	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk

Power Management

Linear Regulators — Standard Regulators (Continued)

Part Number	# Outputs	Output Level	Output Voltage Tolerance ($\pm/\%$)	Input Voltage [VI] (max) V	ADJ Output Voltage [VO] (min) V	Output Voltage [VO] (Typ) V	ADJ Output Voltage [VO] (max) V	Output Current [IO] (Typ) A	Voltage Drop [VD] (max) V	Operating Temp °C	Storage Temp Range (min) °C	Package	Packing
LM78L05ACZX	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	TO92	TnR
LM78L05ACZXA	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo
LM78L12ACZ	1	Positive	5	35		12		0.1	1.7	0 to 150	-65 to 150	TO92	Bulk
LM78L12ACZX	1	Positive	5	35		12		0.1	1.7	0 to 150	-65 to 150	TO92	TnR
LM78L12ACZXA	1	Positive	5	35		12		0.1	1.7	0 to 150	-65 to 150	TO92	Ammo
LM78M05CT	1	Positive		35		5		0.5	2	0 to 125	-65 to 150	TO220	Tube
LM7905CT	1	Negative	4	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
LM79L05ACZ	1	Negative	5	30		5		1	1.7	0 to 125	-65 to 150	TO92	Bulk
LM79L05ACZX	1	Negative	5	30		5		1	1.7	0 to 125	-65 to 150	TO92	TnR
LM79L05ACZXA	1	Negative	5	30		5		1	1.7	0 to 125	-65 to 150	TO92	Ammo
MC7805CDTX	1	Positive	4	35		5		1	2	0 to 125	-65 to 150	D-PAK	TnR
MC7805CDTXM	1	Positive	4	35		5		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
MC7805CT	1	Positive	4	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
MC7806CDTX	1	Positive	4	35		6		1	2	0 to 125	-65 to 150	D-PAK	TnR
MC7806CDTXM	1	Positive	4	35		6		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
MC7806CT	1	Positive	4	35		6		1	2	0 to 125	-65 to 150	TO220	Tube
MC7808CDTX	1	Positive	4	35		8		1	2	0 to 125	-65 to 150	D-PAK	TnR
MC7808CDTXM	1	Positive	4	35		8		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
MC7808CT	1	Positive	4	35		8		1	2	0 to 125	-65 to 150	TO220	Tube
MC7809CDTX	1	Positive	4	35		9		1	2	0 to 125	-65 to 150	D-PAK	TnR
MC7809CDTXM	1	Positive	4	35		9		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
MC7809CT	1	Positive	4	35		9		1	2	0 to 125	-65 to 150	TO220	Tube
MC7810CDTX	1	Positive	4	35		10		1	2	0 to 125	-65 to 150	D-PAK	TnR
MC7810CDTXM	1	Positive	4	35		10		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
MC7812CDTX	1	Positive	4	35		12		1	2	0 to 125	-65 to 150	D-PAK	TnR
MC7812CDTXM	1	Positive	4	35		12		1	2	0 to 125	-65 to 150	D-PAK	TnR 90°
MC7812CT	1	Positive	4	35		12		1	2	0 to 125	-65 to 150	TO220	Tube
MC7815CT	1	Positive	4	35		15		1	2	0 to 125	-65 to 150	TO220	Tube
MC7818CT	1	Positive	4	35		18		1	2	0 to 125	-65 to 150	TO220	Tube
MC7824CT	1	Positive	4	40		24		1	2	0 to 125	-65 to 150	TO220	Tube
MC78L05ACD	1	Positive	5	30		5		0.1	1.7	0 to 150	-65 to 150	SOP-8	Tube
MC78L05ACDX	1	Positive	5	30		5		0.1		0 to 150	-65 to 150	SOP-8	TnR
MC78L05ACP	1	Positive	5	30		5		0.1		0 to 150	-65 to 150	TO92	Bulk
MC78L05ACPX	1	Positive	5	30		5		0.1		0 to 150	-65 to 150	TO92	TnR
MC78L05ACPX A	1	Positive	5	30		5		0.1		0 to 150	-65 to 150	TO92	Ammo
MC78L06ACP	1	Positive	5	30		6		0.1		0 to 150	-65 to 150	TO92	Bulk
MC78L06ACPX A	1	Positive	5	30		6		0.1		0 to 150	-65 to 150	TO92	Ammo
MC78L08ACD	1	Positive	5	30		8		0.1		0 to 150	-65 to 150	SOP-8	Tube
MC78L08ACDX	1	Positive	5	30		8		0.1		0 to 150	-65 to 150	SOP-8	TnR
MC78L08ACP	1	Positive	5	30		8		0.1		0 to 150	-65 to 150	TO92	Bulk
MC78L08ACPX	1	Positive	5	30		8		0.1		0 to 150	-65 to 150	TO92	TnR
MC78L08ACPX A	1	Positive	5	30		8		0.1		0 to 150	-65 to 150	TO92	Ammo
MC78L09ACP	1	Positive	5	30		9		0.1		0 to 150	-65 to 150	TO92	Bulk

Power Management

Linear Regulators — Standard Regulators (Continued)

Part Number	# Outputs	Output Level	Output Voltage Tolerance (±/+) %	Input Voltage [VI] (max) V	ADJ Output Voltage [VO] (min) V	Output Voltage [VO] (Typ) V	ADJ Output Voltage [VO] (max) V	Output Current [IO] (Typ) A	Voltage Drop [VD] (max) V	Operating Temp °C	Storage Temp Range (min) °C	Package	Packing
MC78L09ACPXA	1	Positive	5	30		9		0.1		0 to 150	-65 to 150	TO92	Ammo
MC78L10ACP	1	Positive	5	30		10		0.1		0 to 150	-65 to 150	TO92	Bulk
MC78L10ACPXA	1	Positive	5	30		10		0.1		0 to 150	-65 to 150	TO92	Ammo
MC78L12ACD	1	Positive	5	35		12		0.1		0 to 150	-65 to 150	SOP-8	Tube
MC78L12ACDX	1	Positive	5	35		12		0.1		0 to 150	-65 to 150	SOP-8	TnR
MC78L12ACP	1	Positive	5	35		12		0.1		0 to 150	-65 to 150	TO92	Bulk
MC78L12ACPX	1	Positive	5	35		12		0.1		0 to 150	-65 to 150	TO92	TnR
MC78L12ACPXA	1	Positive	5	35		12		0.1		0 to 150	-65 to 150	TO92	Ammo
MC78L15ACD	1	Positive	5	35		15		0.1		0 to 150	-65 to 150	SOP-8	Tube
MC78L15ACDX	1	Positive	5	35		15		0.1		0 to 150	-65 to 150	SOP-8	TnR
MC78L15ACP	1	Positive	5	35		15		0.1		0 to 150	-65 to 150	TO92	Bulk
MC78L15ACPX	1	Positive	5	35		15		0.1		0 to 150	-65 to 150	TO92	TnR
MC78L15ACPXA	1	Positive	5	35		15		0.1		0 to 150	-65 to 150	TO92	Ammo
MC78L18ACP	1	Positive	5	35		18		0.1		0 to 150	-65 to 150	TO92	Bulk
MC78L18ACPX	1	Positive	5	35		18		0.1		0 to 150	-65 to 150	TO92	TnR
MC78L18ACPXA	1	Positive	5	35		18		0.1		0 to 150	-65 to 150	TO92	Ammo
MC78L24ACP	1	Positive	5	40		24		0.1		0 to 150	-65 to 150	TO92	Bulk
MC78L24ACPX	1	Positive	5	40		24		0.1		0 to 150	-65 to 150	TO92	TnR
MC78L24ACPXA	1	Positive	5	40		24		0.1		0 to 150	-65 to 150	TO92	Ammo
MC78M05CDTX	1	Positive		35		5		0.5	2	0 to 125	-65 to 150	D-PAK	TnR
MC78M05CDTXM	1	Positive		35		5		0.5	2	0 to 125	-65 to 150	D-PAK	TnR 90°
MC78M05CT	1	Positive		35		5		0.5	2	0 to 125	-65 to 150	TO220	Tube
MC78M06CDTX	1	Positive		35		6		0.5	2	0 to 125	-65 to 150	D-PAK	TnR
MC78M06CDTXM	1	Positive		35		6		0.5	2	0 to 125	-65 to 150	D-PAK	TnR 90°
MC78M06CT	1	Positive		35		6		0.5	2	0 to 125	-65 to 150	TO220	Tube
MC78M08CDTX	1	Positive		35		8		0.5	2	0 to 125	-65 to 150	D-PAK	TnR
MC78M08CDTXM	1	Positive		35		8		0.5	2	0 to 125	-65 to 150	D-PAK	TnR 90°
MC78M08CT	1	Positive		35		8		0.5	2	0 to 125	-65 to 150	TO220	Tube
MC78M12CDTX	1	Positive		35		12		0.5	2	0 to 125	-65 to 150	D-PAK	TnR
MC78M12CDTXM	1	Positive		35		12		0.5	2	0 to 125	-65 to 150	D-PAK	TnR 90°
MC78M12CT	1	Positive		35		12		0.5	2	0 to 125	-65 to 150	TO220	Tube
MC78M15CT	1	Positive		35		15		0.5	2	0 to 125	-65 to 150	TO220	Tube
MC78M18CT	1	Positive		35		18		0.5	2	0 to 125	-65 to 150	TO220	Tube
MC78M24CT	1	Positive		40		24		0.5	2	0 to 125	-65 to 150	TO220	Tube
MC78T05CT	1	Positive	4	35		5		3	2.2	0 to 150	-65 to 150	TO220	Tube
MC78T12CT	1	Positive	4	35		12		3	2.2	0 to 150	-65 to 150	TO220	Tube
MC78T15CT	1	Positive	4	40		15		3	2.2	0 to 150	-65 to 150	TO220	Tube
MC7905CT	1	Negative	4	35		5		1	2	0 to 125	-65 to 150	TO220	Tube
MC7906CT	1	Negative	4	35		6		1	2	0 to 125	-65 to 150	TO220	Tube
MC7908CT	1	Negative	4	35		8		1	2	0 to 125	-65 to 150	TO220	Tube
MC7909CT	1	Negative	4	35		9		1	2	0 to 125	-65 to 150	TO220	Tube
MC7910CT	1	Negative	4	35		10		1	2	0 to 125	-65 to 150	TO220	Tube
MC7912CT	1	Negative	4	35		12		1	2	0 to 125	-65 to 150	TO220	Tube

Power Management

Linear Regulators — Standard Regulators (Continued)

Part Number	# Outputs	Output Level	Output Voltage Tolerance (\pm/\pm) %	Input Voltage [VI] (max) V	ADJ Output Voltage [VO] (min) V	Output Voltage [VO] (Typ) V	ADJ Output Voltage [VO] (max) V	Output Current [IO] (Typ) A	Voltage Drop [VD] (max) V	Operating Temp °C	Storage Temp Range (min) °C	Package	Packing
MC7915CT	1	Negative	4	35		15		1	2	0 to 125	-65 to 150	TO220	Tube
MC7918CT	1	Negative	4	35		18		1	2	0 to 125	-65 to 150	TO220	Tube
MC7924CT	1	Negative	4	35		24		1	2	0 to 125	-65 to 150	TO220	Tube
MC79L05ACD	1	Negative	5	30		5		1	1.7	0 to 125	-65 to 150	SOP-8	Tube
MC79L05ACDX	1	Negative	5	30		5		1	1.7	0 to 125	-65 to 150	SOP-8	TnR
MC79L05ACP	1	Negative	5	30		5		1	1.7	0 to 125	-65 to 150	TO92	Bulk
MC79L05ACPX	1	Negative	5	30		5		1	1.7	0 to 125	-65 to 150	TO92	TnR
MC79L05ACPXA	1	Negative	5	30		5		1	1.7	0 to 125	-65 to 150	TO92	Ammo
MC79L08ACP	1	Negative	5	30		8		1	1.7	0 to 125	-65 to 150	TO92	Bulk
MC79L08ACPX	1	Negative	5	30		8		1	1.7	0 to 125	-65 to 150	TO92	TnR
MC79L08ACPXA	1	Negative	5	30		8		1	1.7	0 to 125	-65 to 150	TO92	Ammo
MC79L12ACP	1	Negative	5	35		12		1	1.7	0 to 125	-65 to 150	TO92	Bulk
MC79L12ACPX	1	Negative	5	35		12		1	1.7	0 to 125	-65 to 150	TO92	TnR
MC79L12ACPXA	1	Negative	5	35		12		1	1.7	0 to 125	-65 to 150	TO92	Ammo
MC79L15ACP	1	Negative	5	35		15		1	1.7	0 to 125	-65 to 150	TO92	Bulk
MC79L15ACPX	1	Negative	5	35		15		1	1.7	0 to 125	-65 to 150	TO92	TnR
MC79L15ACPXA	1	Negative	5	35		15		1	1.7	0 to 125	-65 to 150	TO92	Ammo
MC79L18ACP	1	Negative	5	35		18		1	1.7	0 to 125	-65 to 150	TO92	Bulk
MC79L18ACPX	1	Negative	5	35		18		1	1.7	0 to 125	-65 to 150	TO92	TnR
MC79L18ACPXA	1	Negative	5	35		18		1	1.7	0 to 125	-65 to 150	TO92	Ammo
MC79L24ACP	1	Negative	5	40		24		1	1.7	0 to 125	-65 to 150	TO92	Bulk
MC79L24ACPX	1	Negative	5	40		24		1	1.7	0 to 125	-65 to 150	TO92	TnR
MC79L24ACPXA	1	Negative	5	40		24		1	1.7	0 to 125	-65 to 150	TO92	Ammo
MC79M05CT	1	Negative	4	-35		-5		0.5	2	0 to 125	-65 to 125	TO220	Tube
MC79M05CTBU	1	Negative	4	-35		-5		0.5	2	0 to 125	-65 to 125	TO220	Bulk
MC79M06CT	1	Negative	4	-35		-6		0.5	2	0 to 125	-65 to 125	TO220	Tube
MC79M06CTBU	1	Negative	4	-35		-6		0.5	2	0 to 125	-65 to 125	TO220	Bulk
MC79M08CT	1	Negative	4	-35		-8		0.5	2	0 to 125	-65 to 125	TO220	Tube
MC79M08CTBU	1	Negative	4	-35		-8		0.5	2	0 to 125	-65 to 125	TO220	Bulk
MC79M12CT	1	Negative	4	-35		-12		0.5	2	0 to 125	-65 to 125	TO220	Tube
MC79M12CTBU	1	Negative	4	-35		-12		0.5	2	0 to 125	-65 to 125	TO220	Bulk
MC79M15CT	1	Negative	4	-35		-15		0.5	2	0 to 125	-65 to 125	TO220	Tube
MC79M15CTBU	1	Negative	4	-35		-15		0.5	2	0 to 125	-65 to 125	TO220	Bulk
MC79M18CT	1	Negative	4	-35		-18		0.5	2	0 to 125	-65 to 125	TO220	Tube
MC79M18CTBU	1	Negative	4	-35		-18		0.5	2	0 to 125	-65 to 125	TO220	Bulk
MC79M24CT	1	Negative	4	-40		-24		0.5	2	0 to 125	-65 to 125	TO220	Tube
MC79M24CTBU	1	Negative	4	-40		-24		0.5	2	0 to 125	-65 to 125	TO220	Bulk

Power Management

Linear Regulators — Low Dropout Regulators (LDOs)

Part Number	Output Type	Preset Output Voltage (Typ) V	ADJ Output Voltage (min) V	ADJ Output Voltage (max) V	Output Current A	Preset Output Voltage (2) (Typ) V	Output Current (2) A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temp °C	Storage Temp °C	Output Disable Function	Package
FAN1084MC	Single	ADJ			4.5			1.5	7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut	
FAN1084MC15	Single	1.5			4.5			1.5	7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut	
FAN1084T	Single	ADJ			4.5			1.5	7	0 to 125	-65 to 150		TO220	
FAN1084T15	Single	1.5			4.5			1.5	7	0 to 125	-65 to 150		TO220	
FAN1086D	Single	ADJ			1.5			1.5	7.5	0 to 125	-65 to 150		TO252 (DPAK)	
FAN1086D25	Single	2.5			1.5			1.5	7.5	0 to 125	-65 to 150		TO252 (DPAK)	
FAN1086D285	Single	2.85			1.5			1.5	7.5	0 to 125	-65 to 150		TO252 (DPAK)	
FAN1086D33	Single	3.3			1.5			1.5	7.5	0 to 125	-65 to 150		TO252 (DPAK)	
FAN1086D5	Single	5			1.5			1.5	7.5	0 to 125	-65 to 150		TO252 (DPAK)	
FAN1086M	Single	ADJ			1.5			1.5	7.5	0 to 125	-65 to 150		TO263 (D ² PAK)	
FAN1086M25	Single	2.5			1.5			1.5	7.5	0 to 125	-65 to 150		TO263 (D ² PAK)	
FAN1086M285	Single	2.85			1.5			1.5	7.5	0 to 125	-65 to 150		TO263 (D ² PAK)	
FAN1086M33	Single	3.3			1.5			1.5	7.5	0 to 125	-65 to 150		TO263 (D ² PAK)	
FAN1086M5	Single	5			1.5			1.5	7.5	0 to 125	-65 to 150		TO263 (D ² PAK)	
FAN1086S	Single	ADJ			1.5			1.5	7.5	0 to 125	-65 to 150		SOT223	
FAN1086S25	Single	2.5			1.5			1.5	7.5	0 to 125	-65 to 150		SOT223	
FAN1086S285	Single	2.85			1.5			1.5	7.5	0 to 125	-65 to 150		SOT223	
FAN1086S33	Single	3.3			1.5			1.5	7.5	0 to 125	-65 to 150		SOT223	
FAN1086S5	Single	5			1.5			1.5	7.5	0 to 125	-65 to 150		SOT223	
FAN1117AD	Single	ADJ	1.25		1			1.1	2.5	17	0 to 125	-65 to 150		TO252
FAN1117AD18	Single	1.8			1			1.1	3	17	0 to 125	-65 to 150		TO252
FAN1117AD25	Single	2.5			1			1.1	3.7	17	0 to 125	-65 to 150		TO252
FAN1117AD285	Single	2.85			1			1.1	4.1	17	0 to 125	-65 to 150		TO252
FAN1117AD33	Single	3.3			1			1.1	4.5	17	0 to 125	-65 to 150		TO252
FAN1117AD5	Single	5			1			1.1	6.2	17	0 to 125	-65 to 150		TO252
FAN1117AS	Single	ADJ	1.25		1			1.1	2.5	17	0 to 125	-65 to 150		SOT223
FAN1117AS18	Single	1.8			1			1.1	3	17	0 to 125	-65 to 150		SOT223
FAN1117AS25	Single	2.5			1			1.1	3.7	17	0 to 125	-65 to 150		SOT223
FAN1117AS285	Single	2.85			1			1.1	4.1	17	0 to 125	-65 to 150		SOT223
FAN1117AS33	Single	3.3			1			1.1	4.5	17	0 to 125	-65 to 150		SOT223
FAN1117AS5	Single	5			1			1.1	6.2	17	0 to 125	-65 to 150		SOT223
FAN1537ADT	Dual	3.3			1	2.5	1	1.3	7.5	0 to 125	-65 to 150		TO252-5	
FAN1537AM	Dual	3.3			1	2.5	1	1.3	7.5	0 to 125	-65 to 150		SO-8	
FAN1537AP	Dual	3.3			1	2.5	1	1.3	7.5	0 to 125	-65 to 150		PFLEX	
FAN1537BDT	Dual	3.3			1		1	1.3	7.5	0 to 125	-65 to 150		TO252-5 (5-pin DPAK)	
FAN1537BM	Dual	3.3			1		1	1.3	7.5	0 to 125	-65 to 150		SO-8	
FAN1537BP	Dual	3.3			1		1	1.3	7.5	0 to 125	-65 to 150		PFLEX	
FAN1581M	Single	ADJ			5			0.6	7	0 to 125	-65 to 150		TO263-5 (5-pin D ² PAK)	
FAN1581M15	Single	1.5			5			0.6	7	0 to 125	-65 to 150		TO263-5 (5-pin D ² PAK)	
FAN1581M25	Single	2.5			5			0.6	7	0 to 125	-65 to 150		TO263-5 (5-pin D ² PAK)	
FAN1581T	Single	ADJ			5			0.6	7	0 to 125	-65 to 150		TO220-5 (5-pin TO220)	
FAN1581T15	Single	1.5			5			0.6	7	0 to 125	-65 to 150		TO220-5 (5-pin TO220)	
FAN1581T25	Single	2.5			5			0.6	7	0 to 125	-65 to 150		TO220-5 (5-pin TO220)	
FAN1582M	Single	ADJ			3			0.6	7	0 to 125	-65 to 150		TO263-5 (5-pin D ² PAK)	
FAN1582M15	Single	1.5			3			0.6	7	0 to 125	-65 to 150		TO263-5 (5-pin D ² PAK)	

Power Management

Linear Regulators — Low Dropout Regulators (LDOs) (Continued)

Part Number	Output Type	Preset Output Voltage (Typ) V	ADJ Output Voltage (min) V	ADJ Output Voltage (max) V	Output Current A	Preset Output Voltage (2) (Typ) V	Output Current (2) A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temp °C	Storage Temp °C	Output Disable Function	Package
FAN1582M25	Single	2.5			3			0.6	7	7	0 to 125	-65 to 150		TO263-5 (5-pin D ² PAK)
FAN1582T	Single	ADJ			3			0.6	7	7	0 to 125	-65 to 150		TO220-5 (5-pin TO220)
FAN1582T15	Single	1.5			3			0.6	7	7	0 to 125	-65 to 150		TO220-5 (5-pin TO220)
FAN1582T25	Single	2.5			3			0.6	7	7	0 to 125	-65 to 150		TO220-5 (5-pin TO220)
FAN1585AM	Single	ADJ			5.4			1.3	7	7	0 to 125	-65 to 150		TO263 (D ² PAK)
FAN1585AM15	Single	1.5			5.4			1.3	7	7	0 to 125	-65 to 150		TO263 (D ² PAK)
FAN1585AMC	Single	ADJ			5.4			1.3	7	7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut
FAN1585AMC15	Single	1.5			5.4			1.3	7	7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut
FAN1585AT	Single	ADJ			5.4			1.3	7	7	0 to 125	-65 to 150		TO220
FAN1585AT15	Single	1.5			5.4			1.3	7	7	0 to 125	-65 to 150		TO220
FAN1587AM	Single	ADJ	1.5	3.6	3			1.3	2.4	12	0 to 125	-65 to 150		TO263
FAN1587AMC	Single	ADJ	1.5	3.6	3			1.3	2.4	12	0 to 125	-65 to 150		TO263 center cut
FAN1587AT	Single	ADJ	1.5	3.6	3			1.3	2.4	12	0 to 125	-65 to 150		TO220
FAN1587AD	Single	ADJ	1.5	3.6	3			1.3	2.4	12	0 to 125	-65 to 150		TO252
FAN1587AM-1.5	Single	1.5			3			1.3	2.8	12	0 to 125	-65 to 150		TO263
FAN1587AMC-1.5	Single	1.5			3			1.3	2.8	12	0 to 125	-65 to 150		TO263 center cut
FAN1587AT-1.5	Single	1.5			3			1.3	2.8	12	0 to 125	-65 to 150		TO220
FAN1587AD-1.5	Single	1.5			3			1.3	2.8	12	0 to 125	-65 to 150		TO252
FAN1587AM-3.3	Single	3.3			3			1.3	4.6	12	0 to 125	-65 to 150		TO263
FAN1587AMC3.3	Single	3.3			3			1.3	4.6	12	0 to 125	-65 to 150		TO263 center cut
FAN1587AT3.3	Single	3.3			3			1.3	4.6	12	0 to 125	-65 to 150		TO220
FAN1587AD3.3	Single	3.3			3			1.3	4.6	12	0 to 125	-65 to 150		TO252
FAN1589M	Single	1.2			2.7			1.3	3.3	7	0 to 125	-65 to 150		TO263
FAN1589MC	Single	1.2			2.7			1.3	3.3	7	0 to 125	-65 to 150		TO263 center cut
FAN1589T	Single	1.2			2.7			1.3	3.3	7	0 to 125	-65 to 150		TO220
FAN1589D	Single	1.2			2.7			1.3	3.3	7	0 to 125	-65 to 150		TO252
FAN1616AD	Single	ADJ	1.25		0.5			1.1	2.5	18	0 to 125	-65 to 150		TO252
FAN1616AD18	Single	1.8			0.5			1.1	3	18	0 to 125	-65 to 150		TO252
FAN1616AD25	Single	2.5			0.5			1.1	3.7	18	0 to 125	-65 to 150		TO252
FAN1616AD33	Single	3.3			0.5			1.1	4.5	18	0 to 125	-65 to 150		TO252
FAN1616AD5	Single	5			0.5			1.1	6.2	18	0 to 125	-65 to 150		TO252
FAN1616AS	Single	ADJ	1.25		0.5			1.1	2.5	18	0 to 125	-65 to 150		SOT223
FAN1616AS18	Single	1.8			0.5			1.1	3	18	0 to 125	-65 to 150		SOT223
FAN1616AS25	Single	2.5			0.5			1.1	3.7	18	0 to 125	-65 to 150		SOT223
FAN1616AS33	Single	3.3			0.5			1.1	4.5	18	0 to 125	-65 to 150		SOT223
FAN1616AS5	Single	5			0.5			1.1	6.2	18	0 to 125	-65 to 150		SOT223
FAN2500S	Single	ADJ	1.32	7	0.1			0.1	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2500S25	Single	2.5			0.1			0.1	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2500S26	Single	2.6			0.1			0.1	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2500S27	Single	2.7			0.1			0.1	2.8	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2500S28	Single	2.8			0.1			0.1	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2500S285	Single	2.85			0.1			0.1	3	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2500S30	Single	3			0.1			0.1	3.1	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2500S33	Single	3.3			0.1			0.1	3.4	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2501S25	Single	2.5			0.1			0.1	2.6	7	-40 to +125	-65 to 150	X	SOT23-5

Power Management

Linear Regulators — Low Dropout Regulators (LDOs) (Continued)

Part Number	Output Type	Preset Output Voltage (Typ) V	ADJ Output Voltage (min) V	ADJ Output Voltage (max) V	Output Current A	Preset Output Voltage (2) (Typ) V	Output Current (2) A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temp °C	Storage Temp °C	Output Disable Function	Package
FAN2501S26	Single	2.6			0.1			0.1	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2501S27	Single	2.7			0.1			0.1	2.8	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2501S28	Single	2.8			0.1			0.1	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2501S285	Single	2.85			0.1			0.1	3	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2501S30	Single	3			0.1			0.1	3.1	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2501S33	Single	3.3			0.1			0.1	3.4	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2502S	Single	ADJ	1.32	7	0.15			0.15	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2502S25	Single	2.5			0.15			0.15	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2502S26	Single	2.6			0.15			0.15	2.75	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2502S27	Single	2.7			0.15			0.15	2.85	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2502S28	Single	2.8			0.15			0.15	2.95	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2502S285	Single	2.85			0.15			0.15	3	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2502S30	Single	3			0.15			0.15	3.15	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2502S33	Single	3.3			0.15			0.15	3.45	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2503S25	Single	2.5			0.15			0.15	2.65	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2503S26	Single	2.6			0.15			0.15	2.75	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2503S27	Single	2.7			0.15			0.15	2.85	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2503S28	Single	2.8			0.15			0.15	2.95	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2503S285	Single	2.85			0.15			0.15	3	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2503S30	Single	3			0.15			0.15	3.15	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2503S33	Single	3.3			0.15			0.15	3.45	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2504S	Single	Adj.	1.32		0.2			0.2	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2504S25	Single	2.5			0.2			0.2	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2504S26	Single	2.6			0.2			0.2	2.8	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2504S27	Single	2.7			0.2			0.2	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2504S28	Single	2.8			0.2			0.2	3	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2504S285	Single	2.85			0.2			0.2	3.05	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2504S30	Single	3			0.2			0.2	3.2	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2504S33	Single	3.3			0.2			0.2	3.5	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2505S25	Single	2.5			0.2			0.2	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2505S26	Single	2.6			0.2			0.2	2.8	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2505S27	Single	2.7			0.2			0.2	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2505S28	Single	2.8			0.2			0.2	3	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2505S285	Single	2.85			0.2			0.2	3.05	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2505S30	Single	3			0.2			0.2	3.2	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2505S33	Single	3.3			0.2			0.2	3.5	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2508S	Single	ADJ			0.05			0.05	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2508S25	Single	2.5			0.05			0.05	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2508S26	Single	2.6			0.05			0.05	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2508S27	Single	2.7			0.05			0.05	2.75	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2508S28	Single	2.8			0.05			0.05	2.85	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2508S285	Single	2.85			0.05			0.05	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2508S30	Single	3			0.05			0.05	3.05	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2508S33	Single	3.3			0.05			0.05	3.35	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2509S25	Single	2.5			0.05			0.05	2.7	7	-40 to +125	-65 to 150	X	SOT23-5

Power Management

Linear Regulators — Low Dropout Regulators (LDOs) (Continued)

Part Number	Output Type	Preset Output Voltage (Typ) V	ADJ Output Voltage (min) V	ADJ Output Voltage (max) V	Output Current A	Preset Output Voltage (2) (Typ) V	Output Current (2) A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temp °C	Storage Temp °C	Output Disable Function	Package
FAN2509S26	Single	2.6			0.05			0.05	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2509S27	Single	2.7			0.05			0.05	2.75	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2509S28	Single	2.8			0.05			0.05	2.85	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2509S285	Single	2.85			0.05			0.05	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2509S30	Single	3			0.05			0.05	3.05	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2509S33	Single	3.3			0.05			0.05	3.35	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2510S	Single	ADJ	1.32	7	0.1			0.1	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2510S25	Single	2.5			0.1			0.1	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2510S26	Single	2.6			0.1			0.1	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2510S27	Single	2.7			0.1			0.1	2.8	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2510S28	Single	2.8			0.1			0.1	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2510S285	Single	2.85			0.1			0.1	3	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2510S30	Single	3			0.1			0.1	3.1	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2510S33	Single	3.3			0.1			0.1	3.4	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2511S25	Single	2.5			0.1			0.1	2.6	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2511S26	Single	2.6			0.1			0.1	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2511S27	Single	2.7			0.1			0.1	2.8	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2511S28	Single	2.8			0.1			0.1	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2511S285	Single	2.85			0.1			0.1	3	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2511S30	Single	3			0.1			0.1	3.1	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2511S33	Single	3.3			0.1			0.1	3.4	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2512S	Single	ADJ	1.32	7	0.15			0.15	2.7	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2512S25	Single	2.5			0.15			0.15	2.7	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2512S26	Single	2.6			0.15			0.15	2.75	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2512S27	Single	2.7			0.15			0.15	2.85	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2512S28	Single	2.8			0.15			0.15	2.95	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2512S285	Single	2.85			0.15			0.15	3	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2512S30	Single	3			0.15			0.15	3.15	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2512S33	Single	3.3			0.15			0.15	3.45	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2513S25	Single	2.5			0.15			0.15	2.7	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2513S26	Single	2.6			0.15			0.15	2.75	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2513S27	Single	2.7			0.15			0.15	2.85	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2513S28	Single	2.8			0.15			0.15	2.95	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2513S285	Single	2.85			0.15			0.15	3	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2513S30	Single	3			0.15			0.15	3.15	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2513S33	Single	3.3			0.15			0.15	3.45	6.5	-40 to +125	-65 to 150	X	SOT23-5
FAN2514S	Single	ADJ	1.32	7	0.2			0.2	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2514S25	Single	2.5			0.2			0.2	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2514S26	Single	2.6			0.2			0.2	2.8	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2514S27	Single	2.7			0.2			0.2	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2514S28	Single	2.8			0.2			0.2	3	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2514S285	Single	2.85			0.2			0.2	3.05	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2514S30	Single	3			0.2			0.2	3.2	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2514S33	Single	3.3			0.2			0.2	3.5	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2515S25	Single	2.5			0.2			0.2	2.7	7	-40 to +125	-65 to 150	X	SOT23-5

Power Management

Linear Regulators — Low Dropout Regulators (LDOs) (Continued)

Part Number	Output Type	Preset Output Voltage (Typ) V	ADJ Output Voltage (min) V	ADJ Output Voltage (max) V	Output Current A	Preset Output Voltage (2) (Typ) V	Output Current (2) A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temp °C	Storage Temp °C	Output Disable Function	Package
FAN2515S26	Single	2.6			0.2			0.2	2.8	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2515S27	Single	2.7			0.2			0.2	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2515S28	Single	2.8			0.2			0.2	3	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2515S285	Single	2.85			0.2			0.2	3.05	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2515S30	Single	3			0.2			0.2	3.2	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2515S33	Single	3.3			0.2			0.2	3.5	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2518S	Single	ADJ	1.32	7	0.05			0.05	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2518S25	Single	2.5			0.05			0.05	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2518S26	Single	2.6			0.05			0.05	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2518S27	Single	2.7			0.05			0.05	2.75	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2518S28	Single	2.8			0.05			0.05	2.85	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2518S285	Single	2.85			0.05			0.05	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2518S30	Single	3			0.05			0.05	3.05	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2518S33	Single	3.3			0.05			0.05	3.35	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2519S25	Single	2.5			0.05			0.05	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2519S26	Single	2.6			0.05			0.05	2.7	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2519S27	Single	2.7			0.05			0.05	2.75	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2519S28	Single	2.8			0.05			0.05	2.85	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2519S285	Single	2.85			0.05			0.05	2.9	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2519S30	Single	3			0.05			0.05	3.05	7	-40 to +125	-65 to 150	X	SOT23-5
FAN2519S33	Single	3.3			0.05			0.05	3.35	7	-40 to +125	-65 to 150	X	SOT23-5
ILC7062CM25X	Single	2.5			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT23-5
ILC7062CM27X	Single	2.7			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT23-5
ILC7062CM28X	Single	2.8			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT23-5
ILC7062CM30X	Single	3.0			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT23-5
ILC7062CM33X	Single	3.3			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT23-5
ILC7062CM42X	Single	4.2			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT23-5
ILC7062CM44X	Single	4.4			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT23-5
ILC7062CM46X	Single	4.6			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT23-5
ILC7062CM50X	Single	5.0			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT23-5
ILC7062CP25X	Single	2.5			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT89
ILC7062CP30X	Single	3.0			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT89
ILC7062CP33X	Single	3.3			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT89
ILC7062CP46X	Single	4.6			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT89
ILC7062CP50X	Single	5.0			0.25			0.38	2.5	10	-40 to +85	-65 to +150		SOT89
ILC7070HCM25X	Single	2.5			0.15			0.20	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7070HCM30X	Single	3.0			0.15			0.20	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7070HCM33X	Single	3.3			0.15			0.20	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7070HCM50X	Single	5.0			0.15			0.20	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM522X	Single	2.2			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7262CS3330X	Dual	3.3			0.13	3.00	0.125	0.18	3.3	10	-40 to +85	-65 to +150		SO-8
ILC7262CS5033X	Dual	5.0			0.13	3.30	0.125	0.18	3.3	10	-40 to +85	-65 to +150		SO-8
ILC7362CM30X	Single	-3.0			0.10			0.38	-3.3	-10	-40 to +85	-65 to +150		SOT23-3
ILC7362CM50X	Single	-5.0			0.10			0.38	-3.3	-10	-40 to +85	-65 to +150		SOT23-3
ILC7362CP30X	Single	-3.0			0.10			0.38	-3.3	-10	-40 to +85	-65 to +150		SOT89

Power Management

Linear Regulators — Low Dropout Regulators (LDOs) (Continued)

Part Number	Output Type	Preset Output Voltage (Typ) V	ADJ Output Voltage (min) V	ADJ Output Voltage (max) V	Output Current A	Preset Output Voltage (2) (Typ) V	Output Current (2) A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temp °C	Storage Temp °C	Output Disable Function	Package
ILC7362CP50X	Single	-5.0			0.10			0.38	-3.3	-10	-40 to +85	-65 to +150		SOT89
ILC7010AIC525X	Single	2.5			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7010AIC526X	Single	2.6			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7010AIC527X	Single	2.7			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7010AIC5285X	Single	2.9			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7010AIC528X	Single	2.8			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7010AIC529X	Single	2.9			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7010AIC530X	Single	3.0			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7010AIC531X	Single	3.1			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7010AIC533X	Single	3.3			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7011AIC525X	Single	2.5			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7011AIC526X	Single	2.6			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7011AIC527X	Single	2.7			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7011AIC528X	Single	2.8			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7011AIC529X	Single	2.9			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7011AIC530X	Single	3.0			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7011AIC531X	Single	3.1			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7011AIC533X	Single	3.3			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SC70-5
ILC7071AIM525X	Single	2.5			0.10			0.10	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7071AIM526X	Single	2.6			0.10			0.10	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7071AIM527X	Single	2.7			0.10			0.10	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7071AIM5285X	Single	2.9			0.10			0.10	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7071AIM528X	Single	2.8			0.10			0.10	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7071AIM529X	Single	2.9			0.10			0.10	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7071AIM530X	Single	3.0			0.10			0.10	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7071AIM531X	Single	3.1			0.10			0.10	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7071AIM533X	Single	3.3			0.10			0.10	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7071AIM536X	Single	3.6			0.10			0.10	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM526X	Single	2.6			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM527X	Single	2.7			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM5285X	Single	2.9			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM528X	Single	2.8			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM529X	Single	2.9			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM530X	Single	3.0			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM531X	Single	3.1			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM533X	Single	3.3			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM536X	Single	3.6			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM550X	Single	5.0			0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7080AIM5ADJX	Single	ADJ	2.5	8	0.08			0.08	2.5	8	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM525X	Single	2.5			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM526X	Single	2.6			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM527X	Single	2.7			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM5285X	Single	2.9			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM528X	Single	2.8			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM529X	Single	2.9			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5

Power Management

Linear Regulators — Low Dropout Regulators (LDOs) (Continued)

Part Number	Output Type	Preset Output Voltage (Typ) V	ADJ Output Voltage (min) V	ADJ Output Voltage (max) V	Output Current A	Preset Output Voltage (2) (Typ) V	Output Current (2) A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temp °C	Storage Temp °C	Output Disable Function	Package
ILC7081AIM530X	Single	3.0			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM531X	Single	3.1			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM533X	Single	3.3			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM536X	Single	3.6			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM547X	Single	4.7			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM550X	Single	5.0			0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7081AIM5ADJX	Single	ADJ	2.5	10	0.10			0.10	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM525X	Single	2.5			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM526X	Single	2.6			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM527X	Single	2.7			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM5285X	Single	2.9			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM528X	Single	2.8			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM529X	Single	2.9			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM530X	Single	3.0			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM531X	Single	3.1			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM532X	Single	3.2			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM533X	Single	3.3			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM536X	Single	3.6			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM545X	Single	4.5			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM547X	Single	4.7			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM550X	Single	5.0			0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7082AIM5ADJX	Single	ADJ	2.2	10	0.15			0.15	2.5	10	-40 to +85	-65 to +150	X	SOT23-5
ILC7280AR2530X	Dual	2.5			0.15	3.00	0.150	0.15	2.5	10	-40 to +85	-65 to +150	X	MSOP8
ILC7280AR2828X	Dual	2.8			0.15	2.80	0.150	0.15	2.5	10	-40 to +85	-65 to +150	X	MSOP8
ILC7280AR2830X	Dual	2.8			0.15	3.00	0.150	0.15	2.5	10	-40 to +85	-65 to +150	X	MSOP8
ILC7280AR3030X	Dual	3.0			0.15	3.00	0.150	0.15	2.5	10	-40 to +85	-65 to +150	X	MSOP8
ILC7280AR8585X	Dual	2.9			0.15	2.85	0.150	0.15	2.5	10	-40 to +85	-65 to +150	X	MSOP8
KA278R05TU	Single	5			2			0.5	5.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA278R09TU	Single	9			2			0.5	9.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA278R12TU	Single	12			2			0.5	12.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA278R33TU	Single	3.3			2			0.5	3.8	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA278R51TU	Single	5.1			2			0.5	5.6	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA278RA05TU	Single		1.25	30	2			0.5	5.55	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA378R05TU	Single	5			3			0.5	5.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA378R06TU	Single	6			3			0.5	6.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA378R12TU	Single	12			3			0.5	12.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA378R33TU	Single	3.3			3			0.5	3.8	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA76L05Z	Single	5			0.1			0.6	5.6	33	-40 to +125			TO92
KA78R05TU	Single	5			1			0.5	5.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA78R08TU	Single	8			1			0.5	8.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA78R09TU	Single	9			1			0.5	9.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA78R12TU	Single	12			1			0.5	12.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA78R15TU	Single	15			1			0.5	15.5	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA78R33TU	Single	3.3			1			0.5	3.8	35	-20 to +80		X	TO220 (F/P) 4 Leads
KA78RH33R	Single	3.3			0.8			1.4	4.7	15	-25 to +125			TO252

Power Management

Linear Regulators — Low Dropout Regulators (LDOs) (Continued)

Part Number	Output Type	Preset Output Voltage (Typ) V	ADJ Output Voltage (min) V	ADJ Output Voltage (max) V	Output Current A	Preset Output Voltage (2) (Typ) V	Output Current (2) A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temp °C	Storage Temp °C	Output Disable Function	Package
KA78RL00D	Single	ADJ	1.26	28	0.1			0.6	2.5	30	-40 to +125			SO-8
KA78RM33	Single	3.3			0.5			0.6	3.9	20	-25 to +125			TO220
KA78RM33D	Single	3.3			0.5			0.6	3.9	20	-25 to +125			TO252
LM2931A	Single	5			0.1			0.6	5.6	33	-40 to +125	-65 to 150		TO92
LP2951	Single	ADJ	1.26	28	0.1			0.6	2.5	30	-40 to +125			SOP-8
RC1117D	Single	ADJ			1			1.2		7.5	0 to 125	-40 to 125		TO252 (D ² PAK)
RC1117D25	Single	2.5			1			1.2		7.5	0 to 125	-65 to 150		TO252 (D ² PAK)
RC1117D285	Single	2.85			1			1.2		7.5	0 to 125	-65 to 150		TO252 (D ² PAK)
RC1117D33	Single	3.3			1			1.2		7.5	0 to 125	-65 to 150		TO252 (D ² PAK)
RC1117D5	Single	5			1			1.2		7.5	0 to 125	-65 to 150		TO252 (D ² PAK)
RC1117M	Single	ADJ			1			1.2		7.5	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1117M25	Single	2.5			1			1.2		7.5	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1117M285	Single	2.85			1			1.2		7.5	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1117M33	Single	3.3			1			1.2		7.5	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1117M5	Single	5			1			1.2		7.5	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1117S	Single	ADJ			1			1.2		7.5	0 to 125	-65 to 150		SOT223
RC1117S25	Single	2.5			1			1.2		7.5	0 to 125	-65 to 150		SOT223
RC1117S285	Single	2.85			1			1.2		7.5	0 to 125	-65 to 150		SOT223
RC1117S33	Single	3.3			1			1.2		7.5	0 to 125	-65 to 150		SOT223
RC1117S5	Single	5			1			1.2		7.5	0 to 125	-65 to 150		SOT223
RC1584M	Single	ADJ			7			1.2		7	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1584M15	Single	1.5			7			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1584MC	Single	ADJ			7			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut
RC1584MC15	Single	1.5			7			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut
RC1584T	Single	ADJ			7			1.3		7	0 to 125	-65 to 150		TO220
RC1584T15	Single	1.5			7			1.3		7	0 to 125	-65 to 150		TO220
RC1585D	Single	ADJ			5			1.3		7	0 to 125	-65 to 150		TO252 (D ² PAK)
RC1585D15	Single	1.5			5			1.3		7	0 to 125	-65 to 150		TO252 (D ² PAK)
RC1585M	Single	ADJ			5			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1585M15	Single	1.5			5			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1585MC	Single	ADJ			5			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut
RC1585MC15	Single	1.5			5			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut
RC1585T	Single	ADJ			5			1.3		7	0 to 125	-65 to 150		TO220
RC1585T15	Single	1.5			5			1.3		7	0 to 125	-65 to 150		TO220
RC1587D	Single	ADJ			3			1.3		7	0 to 125	-65 to 150		TO252 (D ² PAK)
RC1587D15	Single	1.5			3			1.3		7	0 to 125	-65 to 150		TO252 (D ² PAK)
RC1587D33	Single	3.3			3			1.3		7	0 to 125	-65 to 150		TO252 (D ² PAK)
RC1587M	Single	ADJ			3			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1587M15	Single	1.5			3			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1587M33	Single	3.3			3			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1587MC	Single	ADJ			3			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut
RC1587MC15	Single	1.5			3			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut
RC1587MC33	Single	3.3			3			1.3		7	0 to 125	-65 to 150		TO263 (D ² PAK) center cut
RC1587T	Single	ADJ			3			1.3		7	0 to 125	-65 to 150		TO220
RC1587T15	Single	1.5			3			1.3		7	0 to 125	-65 to 150		TO220

Power Management

Linear Regulators — Low Dropout Regulators (LDOs) (Continued)

Part Number	Output Type	Preset Output Voltage (Typ) V	ADJ Output Voltage (min) V	ADJ Output Voltage (max) V	Output Current A	Preset Output Voltage (2) (Typ) V	Output Current (2) A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temp °C	Storage Temp °C	Output Disable Function	Package
RC1587T33	Single	3.3			3			1.3		7	0 to 125	-65 to 150		TO220
RC1616M	Single	ADJ			0.5			1.2		7.5	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1616M25	Single	2.5			0.5			1.2		7.5	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1616M33	Single	3.3			0.5			1.2		7.5	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1616M5	Single	5			0.5			1.2		7.5	0 to 125	-65 to 150		TO263 (D ² PAK)
RC1616S	Single	ADJ			0.5			1.2		7.5	0 to 125	-65 to 150		SOT223
RC1616S25	Single	2.5			0.5			1.2		7.5	0 to 125	-65 to 150		SOT223
RC1616S33	Single	3.3			0.5			1.2		7.5	0 to 125	-65 to 150		SOT223
RC1616S5	Single	5			0.5			1.2		7.5	0 to 125	-65 to 150		SOT223
RC2951M	Single	ADJ			0.1			0.7			-55 to 150			SO-8
RC2951M33	Single	3.3			0.1			0.7			-55 to 150			SO-8

Power Management

References — Voltage References and Shunts

Part Number	Preset Output Voltage V	ADJ Output Voltage (min) V	ADJ Output Voltage (max) V	Tolerance %	Max Current mA	Operating Temp °C	Package
FAN4040AIS325	2.5			0.1	30	-40 to 85	SOT23
FAN4040AIS333	3.3			0.1	30	-40 to 85	SOT23
FAN4040BIS325	2.5			0.2	30	-40 to 85	SOT23
FAN4040BIS333	3.3			0.2	30	-40 to 85	SOT23
FAN4040CIS325	2.5			0.5	30	-40 to 85	SOT23
FAN4040CIS333	3.3			0.5	30	-40 to 85	SOT23
FAN4040DIS325	2.5			1	30	-40 to 85	SOT23
FAN4040DIS333	3.3			1	30	-40 to 85	SOT23
FAN4041AIS3	ADJ	1.22	12	0.1	30	-40 to 85	SOT23
FAN4041AITL	ADJ	1.22	12	0.1	30	-40 to 85	TO92
FAN4041BIS3	ADJ	1.22	12	0.2	30	-40 to 85	SOT23
FAN4041BITL	ADJ	1.22	12	0.2	30	-40 to 85	TO92
FAN4041CIS3	ADJ	1.22	12	0.5	30	-40 to 85	SOT23
FAN4041CITL	ADJ	1.22	12	0.5	30	-40 to 85	TO92
FAN4041DIS3	ADJ	1.22	12	1	30	-40 to 85	SOT23
FAN4041DITL	ADJ	1.22	12	1	30	-40 to 85	TO92
FAN4050AIS325	2.5			0.1	20	-40 to 85	SOT23
FAN4050AIS333	3.3			0.1	20	-40 to 85	SOT23
FAN4050BIS325	2.5			0.2	20	-40 to 85	SOT23
FAN4050BIS333	3.3			0.2	20	-40 to 85	SOT23
FAN4050CIS325	2.5			0.5	20	-40 to 85	SOT23
FAN4050CIS333	3.3			0.5	20	-40 to 85	SOT23
LM336BZ25X	2.5			1	15	0 to 70	TO92
LM336Z25	2.5			2	15	0 to 70	TO92
LM336BZ50X	5 ADJ	4	6	2	15	0 to 70	TO92
LM336Z5	5 ADJ	4	6	4	15	0 to 70	TO92
LM431ACM	2.5 ADJ	2.5	37	2		-25 to +85	SOP-8
LM431ACMFX	2.5 ADJ	2.5	37	2		-25 to +85	SOT23F
LM431ACMLX	2.5 ADJ	2.5	37	2		-25 to +85	SOT89
LM431ACN	2.5 ADJ	2.5	37	2		-25 to +85	DIP-8
LM431ACZ	2.5 ADJ	2.5	37	2		-25 to +85	TO92
LM431AIM	2.5 ADJ	2.5	37	2		-40 to +85	SOP-8
LM431AIZ	2.5 ADJ	2.5	37	2		-40 to +85	TO92
LM431BCM	2.5 ADJ	2.5	37	1		-25 to +85	SOP-8
LM431BCMFX	2.5 ADJ	2.5	37	1		-25 to +85	SOT23F
LM431BCMLX	2.5 ADJ	2.5	37	1		-25 to +85	SOT89
LM431BCZ	2.5 ADJ	2.5	37	1		-25 to +85	TO92
LM431BIM	2.5 ADJ	2.5	37	1		-40 to +85	SOP-8
LM431BIZ	2.5 ADJ	2.5	37	1		-40 to +85	TO92
LM431CCM	2.5 ADJ	2.5	37	0.5		-25 to +85	SOP-8
LM431CCMFX	2.5 ADJ	2.5	37	0.5		-25 to +85	SOT23F
LM431CCMLX	2.5 ADJ	2.5	37	0.5		-25 to +85	SOT89
LM431CCZ	2.5 ADJ	2.5	37	0.5		-25 to +85	TO92
LM431CIM	2.5 ADJ	2.5	37	0.5		-40 to +85	SOP-8
LM431CIZ	2.5 ADJ	2.5	37	0.5		-40 to +85	TO92
RC431AM	ADJ	1.24	12	1.5	20	0 to 70	SOT23-5
RC431AT	ADJ	1.24	12	1.5	20	0 to 70	TO92
TL431CP	2.5 ADJ	2.5	37	2		-25 to +85	DIP-8

Power Management

Switching Regulators — DC:DC Conversion ICs

Part Number	Application	Package	Packing
FAN5037M	Desktop PC Logic/Vlt	SO-8	Tube
FAN5037MX	Desktop PC Logic/Vlt	SO-8	TnR
FAN5038M	Dual Voltage Controller for DSP/ASIC/FPGA Supplies	SO-16	Tube
FAN5038MX	Dual Voltage Controller for DSP/ASIC/FPGA Supplies	SO-16	TnR
FAN5056MV85	Desktop PC CPU (VRM8.5), Soft Start LDOs; VCLK, VNB, VADJ	SO-24 Wide	Tube
FAN5056MV85X	Desktop PC CPU (VRM8.5), Soft Start LDOs; VCLK, VNB, VADJ	SO-24 Wide	TnR
FAN5059M	Desktop PC CPU (VRM8.4) + Logic; Enhanced Power Good	SO-24 Wide	Tube
FAN5059MX	Desktop PC CPU (VRM8.4) + Logic; Enhanced Power Good	SO-24 Wide	TnR
FAN5063M	ACPI Dual Switch Controller	SO-16	Tube
FAN5063MX	ACPI Dual Switch Controller	SO-16	TnR
FAN5066M	Ultra-Low Voltage Desktop PC Logic, Vlt	SO-20	Tube
FAN5066MX	Ultra-Low Voltage Desktop PC Logic, Vlt	SO-20	TnR
FAN5070M, MT	Desktop PC CPU (VRM8.5) Low Cost	SOIC-20	Tube, TnR
FAN5071M, MX	Desktop PC CPU (VRM8.5)	SO-24 Wide	Tube, TnR
FAN5091MTC	Desktop PC CPU (VRM9.0); Two Phase	TSSOP-24	Tube
FAN5091MTCX	Desktop PC CPU (VRM9.0); Two Phase	TSSOP-24	TnR
FAN5093MTC	Desktop PC CPU (VRM9.0); Two Phase	TSSOP-24	Tube
FAN5093MTCX	Desktop PC CPU (VRM9.0); Two Phase	TSSOP-24	TnR
FAN5230QSC	Notebook PC Logic/System	QSOP-24	Tube
FAN5230QSCX	Notebook PC Logic/System	QSOP-24	TnR
FAN5231QSC	Notebook PC CPU	QSOP-28	Tube
FAN5231QSCX	Notebook PC CPU	QSOP-28	TnR
FAN5232MTC	Notebook PC Storage and Standby	TSSOP-14	Tube
FAN5232MTCX	Notebook PC Storage and Standby	TSSOP-14	TnR
FAN5234M*	Notebook Low-Voltage CPU and Vlt	QSOP-16	Tube
FAN5234MT*	Notebook Low-Voltage CPU and Vlt	QSOP-16	TnR
FAN5235QSC	LCD PC Logic/System	QSOP-24	Tube
FAN5235QSCX	LCD PC Logic/System	QSOP-24	TnR
FAN5236M*	DDR Power for VDDQ, Vlt	QSOP-28	Tube
FAN5236MT*	DDR Power for VDDQ, Vlt	QSOP-28	TnR
FAN5240MSA*	Notebook PC CPU for Mobile Athlon and Duron	TSSOP-28	Tube
FAN5240MSAT	Notebook PC CPU for Mobile Athlon and Duron	TSSOP-28	TnR
FAN5250MTC*	Portable PC CPU for Transmeta	SSOP-24	Tube
FAN5250MTCT*	Portable PC CPU for Transmeta	SSOP-24	TnR
FAN5660MX	CMOS Monolithic Voltage Doubler/Inverter	SO-8	TnR
FAN6555S	2A DDR Bus Termination Regulator	SO-16	Tube
FAN6555SX	2A DDR Bus Termination Regulator	SO-16	TnR
ILC6370AP33X	SOT89 STP-UP SWITCHNG REGLTR W/SHTUTDOWN	SOT89	TnR
ILC6370AP50X	SOT89 STP-UP SWITCHNG REGLTR W/SHTUTDOWN	SOT89	TnR
ILC6370AP52X	SOT89 STP-UP SWITCHNG REGLTR W/SHTUTDOWN	SOT89	TnR
ILC6370BP30X	SOT89 STP-UP SWITCHNG RGLTR W/SHTUTDOWN	SOT89	TnR
ILC6370BP33X	SOT89 STP-UP SWITCHNG RGLTR W/SHTUTDOWN	SOT89	TnR
ILC6370BP50X	SOT89 STP-UP SWITCHNG RGLTR W/SHTUTDOWN	SOT89	TnR
ILC6370BP53X	SOT89 STP-UP SWITCHNG REGLTR W/SHTUTDOWN	SOT89	TnR

* Product In Development: Consult Factory

Power Management

Switching Regulators — DC:DC Conversion ICs (Continued)

Part Number	Application	Package	Packing
ILC6370CP25X	SOT89 STP UP SWITCH REGLTR 2.5 W/SHTUTDOWN	SOT89	TnR
ILC6370CP33X	SOT89 STP UP SWITCH REGLTR 3.3 W/SHTUTDOWN	SOT89	TnR
ILC6371AP33X	SOT89 STP-UP SWITCH REGLTR W/SHTUTDOWN	SOT89	TnR
ILC6371AP50X	SOT89 STP-UP SWITCH RGLTR W/SHTUTDOWN	SOT89	TnR
ILC6371CP33X	SOT89 STP-UP SWITCH RGLTR W/SHTUTDOWN	SOT89	TnR
ILC6375CP33X	SOT89 STP-DWN PWM SWITCHR CNTR	SOT89	TnR
ILC6375CP50X	SOT89 STP-DWN PWM SWITCHR CNTR	SOT89	TnR
ILC6376SO33	3.3V 300KHZ PWM, W/SHUTDOWN	SO-8	TnR
ILC6376SO50	5.0V 300KHZ PWM, W/SHUTDOWN	SO-8	TnR
ILC6377SO33X	300KHZ 3.3V DC-DC CNVRTR STP-DOWN	SO-8	TnR
ILC6377SO50X	300KHZ 5.0V DC-DC CNVRTR STP-DOWN	SO-8	TnR
ILC6377SOADJX	300KHZ ADJUSTABLE DC-DC CONVERTER STP-DOWN	SO-8	TnR
ILC6380AP33X	SOT89 STP-UP DUAL SWITCHR W/SHTUTDOWN	SOT89	TnR
ILC6380AP50X	SOT89 STP-UP DUAL SWITCHR W/SHTUTDOWN	SOT89	TnR
ILC6380BP33X	SOT89 STP-UP DUAL-MDE SWITCHR W/SHTUTDOWN	SOT89	TnR
ILC6380BP50X	SOT89 STP-UP DUAL SWITCHR W/SHTUTDOWN	SOT89	TnR
ILC6380CP25X	SOT89 STP-UP DUAL SWITCHR W/SHTUTDOWN	SOT89	TnR
ILC6380CP33X	SOT89 STP-UP DUAL SWITCHR W/SHTUTDOWN	SOT89	TnR
ILC6380CP50X	SOT89 STP-UP DUAL SWITCHR W/SHTUTDOWN	SOT89	TnR
ILC6381AP33X	SOT89 STP-UP DUAL SWITCH W/SHTUTDOWN	SOT89	TnR
ILC6381AP50X	SOT89 STP-UP DUAL SWITCH W/SHTUTDOWN	SOT89	TnR
ILC6381BP50X	SOT89 STP-UP DUAL SWITCH W/SHTUTDOWN	SOT89	TnR
ILC6381CP50X	SOT89 STP-UP DUAL SWITCH W/SHTUTDOWN	SOT89	TnR
ILC6390CM25X	2.5V SOT-25 STP-UP PFM SWITCH W/AUTOLOAD SENSE	SOT23-5	TnR
ILC6390CM30X	3.0V SOT-25 STP-UP PFM SWITCH W/AUTOLOAD SENSE	SOT23-5	TnR
ILC6390CM33X	3.3V SOT-25 STP-UP PFM SWITCH W/AUTOLOAD SENSE	SOT23-5	TnR
ILC6390CM50X	5.0V SOT-25 STP-UP PFM SWITCH W/AUTOLOAD SENSE	SOT23-5	TnR
ILC6390CP33X	SOT89 STP-UP PFM SWITCHR W/AUTOLOAD SENSE	SOT89	TnR
ILC6390CP50X	SOT89 STP-UP PFM SWITCH W/AUTOLOAD SENSE	SOT89	TnR
ILC6391CM33X	3.3V SOT-25 STP-UP PFM SWITCH W/AUTOLOAD SENSE	SOT23-5	TnR
ILC6391CM50X	5.0V SOT-25 STP-UP PFM SWITCH W/AUTOLOAD SENSE	SOT23-5	TnR
ILC6391CP50X	SOT89 STP-UP PFM SWITCH W/AUTOLOAD SENSE	SOT89	TnR
ILC6363CIR33X	MSOP-8 STEP-UP/STEP DOWN DC-DC	MSOP-8	TnR
ILC6383CIR33X	3.3V, 1-CELL TO 3-CELL STP-UP DC/DC	MSOP-8	TnR
ILC6383CIR50X	5.0V, 1-CELL TO 3-CELL STP-UP DC/DC	MSOP-8	TnR
ILC6383CIRADJX	ADJUSTABLE, 1-CELL TO 3-CELL STEP UP DC/DC	MSOP-8	TnR
ML4854IT*	Two Cell Boost Regulator	TSSOP-8	Tube
ML4865CS2	High Voltage Boost Regulator	SO-8	Tube
ML4865CS2X	High Voltage Boost Regulator	SO-8	TnR
ML6553CS	1A DDR Bus Termination Regulator	SO-8	Tube
ML6553CSX	1A DDR Bus Termination Regulator	SO-8	TnR
ML6554CU	3A DDR Bus Termination Regulator	PSOP-16 (U16)	Tube
ML6554CUX	3A DDR Bus Termination Regulator	PSOP-16 (U16)	TnR
RC5037M	Desktop PC Logic/Vlt	SO-8	Tube

*Product In Development: Consult Factory

Power Management

Switching Regulators — DC:DC Conversion ICs (Continued)

Part Number	Application	Package	Packing
RC5037MT	Desktop PC Logic/Vlt	SO-8	TnR
RC5051M	Desktop PC CPU (VRM8.2)	SO-20 Wide	Tube
RC5051MT	Desktop PC CPU (VRM8.2)	SO-20 Wide	TnR
RC5057M	Desktop PC CPU (VRM8.4)	SO-16	Tube
RC5057MT	Desktop PC CPU (VRM8.4)	SO-16	TnR
RC5058M	Desktop PC CPU (VRM8.4) + Logic	SO-24 Wide	Tube
RC5058MT	Desktop PC CPU (VRM8.4) + Logic	SO-24 Wide	TnR
RC5060M	ACPI Switch Controller	SO-20 Wide	Tube
RC5060MT	ACPI Switch Controller	SO-20 Wide	TnR
RC5061M	Desktop PC CPU (VRM8.4) + Logic	SO-20 Wide	Tube
RC5061MT	Desktop PC CPU (VRM8.4) + Logic	SO-20 Wide	TnR

*Product In Development: Consult Factory

Switching Regulators — Power Factor Correction (PFC) - Standalone

Part Number	Reference Accuracy	PFC Max Frequency kHz	Topology	Start-up Current μ A	Operating Current mA	Start-up Voltage (on/off)	Gate Driver Output Current A	Soft Start	UVLO	Current Limit	Feed Fwd	Brownout Protection	Temp Range	Package	Packing
FAN4822IM	2%	200	Average Current ZVS	700	22	13/10	0.5	•	•	•	•	•	-40 to +85	SO-16	TnR
FAN4822IN	2%	200	Average Current ZVS	700	22	13/10	0.5	•	•	•	•	•	-40 to +85	DIP-14	Tube
FAN7527B	1.50%	n/a	Peak Current	60	3	09/12	0.5	•	•	•			-25 to +125	DIP-8	Tube
FAN7527BD	1.50%	n/a	Peak Current	60	3	09/12	0.5	•	•	•			-25 to +125	SO-8	Tube
FAN7527BDTF	1.50%	n/a	Peak Current	60	3	09/12	0.5	•	•	•			-25 to +125	SO-8	TnR
ML4812CP	2%	100	Peak Current	800	20	16/10	1	•	•	•	•		0 to +70	DIP-16	Tube
ML4812CX	2%	100	Peak Current	800	20	16/10	1	•	•	•	•		0 to +70	PLCC-20	TnR
ML4821CP	2%	100	Average Current	600	26	15/10	1	•	•	•	•	•	0 to +70	DIP-18	Tube
ML4821CS	2%	100	Average Current	600	26	15/10	1	•	•	•	•	•	0 to +70	SO-20	TnR

Power Management

Switching Regulators — PFC/PWM Combos

Part Number	Reference Accuracy %	PFC (max) Freq kHz	PWM (max) Freq kHz	PFC Topology	PWM Output Driver	PWM Output Current pk	Start-up Current μ A	Operating Current mA	Soft Start	UVLO	Current Limit	Feed Fwd	Brown-out	Protect Green Mode	Temp Range $^{\circ}$ C	Package	Packing
FAN4803CS1		67	67	Average	Single Ended	1A	200	2	•	•	•		•		0 to +70	SO-8	TnR
FAN4803CS2		67	134	Average	Single Ended	1A	200	2	•	•	•		•		0 to +70	SO-8	TnR
ML4800CP	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•			DIP-16	Tube
ML4800IP	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•		-40 to +85	DIP-16	Tube
ML4800IS	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•		-40 to +85	SO-8	Tube
ML4800CS	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•			SO-8	Tube
ML4800ISX	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•		-40 to +85	SO-8	TnR
ML4800CSX	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•			SO-8	TnR
ML4801CP	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•			DIP-16	Tube
ML4801IP	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•		-40 to +85	DIP-16	Tube
ML4801IS	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•		-40 to +85	SO-16	Tube
ML4801CS	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•			SO-16	Tube
ML4801ISX	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•		-40 to +85	SO-16	TnR
ML4801CSX	1.5	200	200	Average	Single Ended	0.5A	200	5.5	•	•	•	•	•			SO-16	TnR
ML4802CP	1.5	200	200	Average	Single Ended	0.5A	200	5	•	•	•	•	•	•		DIP-16	Tube
ML4802CS	1.5	200	200	Average	Single Ended	0.5A	200	5	•	•	•	•	•	•		SO-16	Tube
ML4802CSX	1.5	200	200	Average	Single Ended	0.5A	200	5	•	•	•	•	•	•		SO-16	TnR
ML4803CP1		67	67	Average	Single Ended	1A	200	2.5	•	•	•		•		0 to +70	DIP-16	Tube
ML4803CS1		67	67	Average	Single Ended	1A	200	2.5	•	•	•		•		0 to +70	SO-8	Tube
ML4803CS1X		67	67	Average	Single Ended	1A	200	2.5	•	•	•		•		0 to +70	SO-8	TnR
ML4803CP2		67	134	Average	Single Ended	1A	200	2.5	•	•	•		•		0 to +70	DIP-8	Tube
ML4803CS2		67	134	Average	Single Ended	1A	200	2.5	•	•	•		•		0 to +70	SO-8	Tube
ML4803CS2X		67	134	Average	Single Ended	1A	200	2.5	•	•	•		•		0 to +70	SO-8	TnR
ML4805CP	1.3	200	200	Average	Single Ended	1A	200	5.5	•	•	•		•		0 to +70	DIP-18	Tube
ML4805CS	1.3	200	200	Average	Single Ended	1A	200	5.5	•	•	•		•		0 to +70	SO-18	Tube
ML4805CSX	1.3	200	200	Average	Single Ended	1A	200	5.5	•	•	•		•		0 to +70	SO-18	TnR
ML4826CP2	1.5	125	250	Average	Push-Pull	0.5A	700	22	•	•	•	•	•		0 to +70	DIP-20	Tube
ML4841	1.5	100	100	Average	Single Ended	0.5A	700	17	•	•	•	•	•		0 to +70	DIP-20	Tube
ML4824CP1		76	76	Average	Single Ended	0.5A	700	16	•	•	•	•	•		0 to +70	DIP-16	Tube
ML4824CP2		76	152	Average	Single Ended	0.5A	700	16	•	•	•	•	•		0 to +70	DIP-16	Tube
ML4824CS1		76	76	Average	Single Ended	0.5A	700	16	•	•	•	•	•		0 to +70	SO-16	Tube
ML4824CS1X		76	76	Average	Single Ended	0.5A	700	16	•	•	•	•	•		0 to +70	SO-16	TnR
ML4824CS2		76	152	Average	Single Ended	0.5A	700	16	•	•	•	•	•		0 to +70	SO-16	Tube
ML4824CS2X		76	76	Average	Single Ended	0.5A	700	16	•	•	•	•	•		0 to +70	SO-16	TnR
ML4824IP1		76	76	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	DIP-16	Tube
ML4824IS1		76	76	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	SO-16	Tube
ML4824IS1X		76	76	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	SO-16	TnR
ML4827CP1		80	80	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	DIP-16	Tube
ML4827CP2		80	80	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	DIP-16	Tube
ML4827CS1		80	80	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	SO-16	Tube
ML4827CS1X		80	80	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	SO-16	TnR
ML4827CS2		80	80	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	SO-16	Tube
ML4827CS2X		80	80	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	SO-16	TnR
ML4827IP2		80	80	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	DIP-16	Tube
ML4827IS2		80	80	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	SO-16	Tube
ML4827IS2X		80	80	Average	Single Ended	0.5A	700	16	•	•	•	•	•		-40 to +85	SO-16	TnR

Power Management

Switching Regulators — PWM and Phase Modulation Controllers

Part Number	Description	# of Outputs	Control Mode	Switching Freq (max) kHz	Supply Voltage (max) V	Output Current (± max) A	Storage Temp (min) °C	Storage Temp (max) °C	Duty Ratio (max) %	Start-up Current (Typ) μA	Package
FAN7554	Versatile PWM Controller	1	Current	500	30	1	-55	150	98	200	DIP-8
FAN7554D	Versatile PWM Controller	1	Current	500	30	1	-55	150	98	200	SOP-8
KA34063A	SMPS Controller	1	Voltage	100	40	1.5	-65	150	100	260	DIP-8
KA34063AD	SMPS Controller	1	Voltage	100	40	1.5	-65	150	100	260	SOP-8
KA34063ADTF	SMPS Controller	1	Voltage	100	40	1.5	-65	150	100	260	SOP-8
KA3511BS	Intelligent Voltage Mode PWM IC	2	Voltage	100	40	0.2	-65	150	50	8000	SDIP-24
KA3524	SMPS Controller	2	Voltage	350	40	0.1	-65	150	100	8000	DIP-16
KA3525A	SMPS Controller	2	Voltage	430	40	0.5	-65	150	100	8000	DIP-16
KA3842B	SMPS Controller	1	Current	500	30	1	-65	150	100	450	DIP-8
KA3842BD	SMPS Controller	1	Current	500	30	1	-65	150	100	450	DIP-8
KA3842BDTF	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SOP-14
KA3843B	SMPS Controller	1	Current	500	30	1	-65	150	100	450	DIP-8
KA3843BD	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SOP-14
KA3843BDTF	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SOP-14
KA3844B	SMPS Controller	1	Current	500	30	1	-65	150	50	450	DIP-8
KA3844BD	SMPS Controller	1	Current	500	30	1	-65	150	50	450	SOP-14
KA3844BDTF	SMPS Controller	1	Current	500	30	1	-65	150	50	450	SOP-14
KA3845B	SMPS Controller	1	Current	500	30	1	-65	150	50	450	DIP-8
KA3845BDTF	SMPS Controller	2	Current	500	30	1	-65	150	50	450	SOP-14
KA3846	SMPS Controller	2	Current	500	40	0.5	-65	150	100	200	DIP-16
KA3882ED	SMPS Controller	1	Current	500	30	1	-65	150	100	200	SO-8
KA3882EDTF	SMPS Controller	1	Current	500	30	1	-65	150	100	200	SO-8
KA3883ED	SMPS Controller	1	Current	500	30	1	-65	150	100	200	SOP-8
KA3883EDTF	SMPS Controller	1	Current	500	30	1	-65	150	100	200	SOP-8
KA7500B	SMPS Controller	2	Voltage	300	42	0.25	-65	150	100	1000	DIP-16
KA7500BD1	SMPS Controller	2	Voltage	300	42	0.25	-65	150	100	1000	SOP-16
KA7500C	SMPS Controller	2	Voltage	300	42	0.25	-65	150	100	1000	DIP-16
KA7500CD	SMPS Controller	2	Voltage	300	42	0.25	-65	150	100	1000	SOP-16
KA7500CDTF	SMPS Controller	2	Voltage	300	42	0.25	-65	150	100	1000	SOP-16
KA7511	SMPS Controller	1	Voltage	200	20	1.5	-65	150	100	500	SIP-10
KA7511S1	SMPS Controller	1	Voltage	200	20	1.5	-65	150	100	500	SIP-10
KA7515	SMPS Controller	1	Voltage	200	20	0.012	-65	150	100	500	DIP-8
KA7552A	SMPS Controller	1	Voltage	600	30	1.5	-65	150	74	150	DIP-8
KA7553A	SMPS Controller	1	Voltage	600	30	1.5	-65	150	49	150	DIP8
KA7577	SMPS Controller	1	Voltage	208	31	0.5	40	125	53	150	DIP-16
KA7577D	SMPS Controller	1	Voltage	208	31	0.5	40	125	53	150	SOP-20
MC33063AD	SMPS Controller	1	Voltage	100	40	1.5	-65	150	100	260	SOP-8
MC33063ADX	SMPS Controller	1	Voltage	100	40	1.5	-65	150	100	260	SOP-8
MC33063AP	SMPS Controller	1	Voltage	100	40	1.5	-65	150	100	260	DIP-8
MC34063AD	SMPS Controller	1	Voltage	100	40	1.5	-65	150	100	260	SOP-8
MC34063ADX	SMPS Controller	1	Voltage	100	40	1.5	-65	150	100	260	SOP-8
MC34063AP	SMPS Controller	1	Voltage	100	40	1.5	-65	150	100	260	DIP-8
ML4818CP	Phase Modulation/Soft Switching Controller	4	Current	500	30	0.5	-65	150	-	3000	DIP-24
ML4823CS	High Frequency Power Supply Controller	1	Voltage Current	1000	30	0.5	-65	150	80	1100	SOP-20W

Power Management

Switching Regulators — PWM and Phase Modulation Controllers (Continued)

Part Number	Description	# of Outputs	Control Mode	Switching Freq (max) kHz	Supply Voltage (max) V	Output Current (± max) A	Storage Temp (min) °C	Storage Temp (max) °C	Duty Ratio (max) %	Start-up Current (Typ) μA	Package
ML4823CSX	High Frequency Power Supply Controller	1	Voltage Current	1000	30	0.5	-65	150	80	1100	SO-16 wide
ML4823IP	High Frequency Power Supply Controller	1	Voltage Current	1000	30	0.5	-65	150	80	1100	DIP-16
ML4823IS	High Frequency Power Supply Controller	1	Voltage Current	1000	30	0.5	-65	150	80	1100	SO-16 wide
ML4823ISX	High Frequency Power Supply Controller	1	Voltage Current	1000	30	0.5	-65	150	80	1100	SO-16 wide
TL494CD	SMPS Controller	2	Voltage	300	42	0.25	-65	150	100	1000	SOP-14
TL494CDX	SMPS Controller	2	Voltage	300	42	0.25	-65	150	45	1000	SOP-16
TL494CN	SMPS Controller	2	Voltage	300	42	0.25	-65	150	45	1000	DIP-16
UC3525AN	SMPS Controller	2	Voltage	430	40	0.5	-65	150	100	1000	DIP-16
UC3842AD	SMPS Controller	1	Current	500	30	1	-65	150	100	200	SOP-8
UC3842ADX	SMPS Controller	1	Current	500	30	1	-65	150	100	200	SOP-8
UC3842AN	SMPS Controller	1	Current	500	30	1	-65	150	100	200	DIP-8
UC3842D	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SOP-14
UC3842DX	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SOP-16
UC3842N	SMPS Controller	1	Current	500	30	1	-65	150	100	450	DIP-8
UC3843AD	SMPS Controller	1	Current	500	30	1	-65	150	100	200	SOP-8
UC3843ADX	SMPS Controller	1	Current	500	30	1	-65	150	100	200	SOP-8
UC3843AN	SMPS Controller	1	Current	500	30	1	-65	150	100	200	DIP-8
UC3843D	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SOP-14
UC3843DX	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SOP-14
UC3843N	SMPS Controller	1	Current	500	30	1	-65	150	100	450	DIP-8
UC3844D	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SO-14
UC3844DX	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SO-14
UC3844N	SMPS Controller	1	Current	500	30	1	-65	150	100	450	DIP-8
UC3845D	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SO-14
UC3845DX	SMPS Controller	1	Current	500	30	1	-65	150	100	450	SO-14
UC3845N	SMPS Controller	1	Current	500	30	1	-65	150	100	450	DIP-8
UC3846N	SMPS Controller	2	Current	500	40	0.5	-65	150	50		DIP-16

Power Management

Off-Line Conversion ICs — Fairchild Power Switch (FPS)

Part Number	Max Drain Voltage V	Continuous Drain Current A	Static Drain-Source on Resistance Ω	Peak Current Limit A	Switching Frequency kHz	Package	Package Option	Protection Mode	Applications
FS6M07652RTCTU	650	7	1.6	2	70	TO220F-5L		Auto Restart Mode	LCD SMPS
FS6M07652RTCYDT	650	7	1.6	2	70	TO220F-5L	Forming	Auto Restart Mode	LCD SMPS
FS6S0965RCCTU	650	9	1.2	6	Synchronization	TO220-5L		Auto Restart Mode	Monitor SMPS
FS6S0965RCYDTU	650	9	1.2	6	Synchronization	TO220-5L	Forming	Auto Restart Mode	Monitor SMPS
FS6S0965RTTU	650	9	1.2	6	Synchronization	TO220F-5L		Auto Restart Mode	Monitor SMPS
FS6S0965RTU	650	9	1.2	6	Synchronization	TO3P-5L		Auto Restart Mode	Monitor SMPS
FS6S0965RTYDTU	650	9	1.2	6	Synchronization	TO220F-5L	Forming	Auto Restart Mode	Monitor SMPS
FS6S0965RYDTU	650	9	1.2	6	Synchronization	TO3P-5L	Forming	Auto Restart Mode	Monitor SMPS
FS6S1265RBTU	650	12	0.8	8	Synchronization	TO3P-5L		Auto Restart Mode	Monitor SMPS
FS6S1265RYDTU	650	12	0.8	8	Synchronization	TO3P-5L	Forming	Auto Restart Mode	Monitor SMPS
FS6S1565RBTU	650	15	0.6	10	Synchronization	TO3P-5L		Auto Restart Mode	Monitor SMPS
FS6S1565RYDTU	650	15	0.6	10	Synchronization	TO3P-5L	Forming	Auto Restart Mode	Monitor SMPS
FS6S15658RTU	650	15	0.6	8	Synchronization	TO3P-5L		Auto Restart Mode	Monitor SMPS
FS6S15658RYDTU	650	15	0.6	8	Synchronization	TO3P-5L	Forming	Auto Restart Mode	Monitor SMPS
FSDH0165	650	1	18	0.6	100	DIPH-8		Auto Restart Mode	Charger & Low power Adaptor
FSDH565	650	0.5	38	0.3	100	DIPH-8		Auto Restart Mode	Charger & Low power Adaptor
KA1H0165RN	650	1	10	0.6	100	DIP-8		Auto Restart Mode	Charger & Low power Adaptor
KA1H0165RTU	650	1	10	0.6	100	TO220F-4L		Auto Restart Mode	Charger & Low power Adaptor
KA1H0165RYDTU	650	1	10	0.6	100	TO220F-4L	Forming	Auto Restart Mode	Charger & Low power Adaptor
KA1H0265RTU	650	2	6	1.2	100	TO220F-4L		Auto Restart Mode	10~20watt low power SMPS
KA1H0265RYDTU	650	2	6	1.2	100	TO220F-4L	Forming	Auto Restart Mode	10~20watt low power SMPS
KA1H0280RBTU	800	2	7	1.2	100	TO220F-4L		Auto Restart Mode	10~20watt low power SMPS
KA1H0280RYDTU	800	2	7	1.2	100	TO220F-4L	Forming	Auto Restart Mode	10~20watt low power SMPS
KA1H0365RTU	650	3	4.5	2.15	100	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA1H0365RYDTU	650	3	4.5	2.15	100	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA1H0380RBTU	800	3	5	2.15	100	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA1H0380RYDTU	800	3	5	2.15	100	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA1H0565RTU	650	5	2.2	3.5	100	TO220F-4L		Auto Restart Mode	40~70watt SMPS
KA1H0565RYDTU	650	5	2.2	3.5	100	TO220F-4L	Forming	Auto Restart Mode	40~70watt SMPS
KA1H0680BTU	800	6	2	4	100	TO3P-5L		Latch up Mode	PC SMPS
KA1H0680BYDTU	800	6	2	4	100	TO3P-5L	Forming	Latch up Mode	PC SMPS
KA1H0680RFBYDTU	800	6	2	4	100	TO3PF-5L	Forming	Auto Restart Mode	PC SMPS
KA1L0365RTU	650	3	4.5	2.15	50	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA1L0365RYDTU	650	3	4.5	2.15	50	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA1L0380BTU	800	3	5	2.15	50	TO220F-4L		Latch up Mode	VCR STB VCD DVD
KA1L0380BYDTU	800	3	5	2.15	50	TO220F-4L	Forming	Latch up Mode	VCR STB VCD DVD
KA1L0380RBTU	800	3	5	2.15	50	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA1L0380RYDTU	800	3	5	2.15	50	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA1L0880BTU	800	8	1.5	5	50	TO3P-5L		Latch up Mode	PC SMPS
KA1L0880BYDTU	800	8	1.5	5	50	TO3P-5L	Forming	Latch up Mode	PC SMPS
KA1M0265RTU	650	2	6	1.2	67	TO220F-4L		Auto Restart Mode	10~20watt low power SMPS
KA1M0265RYDTU	650	2	6	1.2	67	TO220F-4L	Forming	Auto Restart Mode	10~20watt low power SMPS
KA1M0280RBTU	800	2	7	1.2	67	TO220F-4L		Auto Restart Mode	10~20watt low power SMPS
KA1M0280RYDTU	800	2	7	1.2	67	TO220F-4L	Forming	Auto Restart Mode	10~20watt low power SMPS
KA1M0365RTU	650	3	4.5	2.15	67	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD

Power Management

Off-Line Conversion ICs — Fairchild Power Switch (FPS) (Continued)

Part Number	Max Drain Voltage V	Continuous Drain Current A	Static Drain-Source on Resistance Ω	Peak Current Limit A	Switching Frequency kHz	Package	Package Option	Protection Mode	Applications
KA1M0365RYDTU	650	3	4.5	2.15	67	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA1M0380RBTU	800	3	5	2.15	67	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA1M0380RBYDTU	800	3	5	2.15	67	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA1M0565SRTU	650	5	2.2	3.5	67	TO220F-4L		Auto Restart Mode	40~70watt SMPS
KA1M0565RYDTU	650	5	2.2	3.5	67	TO220F-4L	Forming	Auto Restart Mode	40~70watt SMPS
KA1M0680BTU	800	6	2	4	67	TO3P-5L		Latch up Mode	PC SMPS
KA1M0680BYDTU	800	6	2	4	67	TO3P-5L	Forming	Latch up Mode	PC SMPS
KA1M0680RBTU	800	6	2	4	67	TO3P-5L		Auto Restart Mode	PC SMPS
KA1M0680RBYDTU	800	6	2	4	67	TO3P-5L	Forming	Auto Restart Mode	PC SMPS
KA1M0765SRTU	650	7	1.6	5	67	TO220-5L		Auto Restart Mode	50~90watt SMPS
KA1M0765RYDTU	650	7	1.6	5	67	TO220-5L	Forming	Auto Restart Mode	50~90watt SMPS
KA1M0765SRTU	650	7	1.6	5	67	TO3P-5L		Auto Restart Mode	50~90watt SMPS
KA1M0765RYDTU	650	7	1.6	5	67	TO3P-5L	Forming	Auto Restart Mode	50~90watt SMPS
KA1M0880BTU	800	8	1.5	5	67	TO3P-5L		Latch up Mode	PC SMPS
KA1M0880BYDTU	800	8	1.5	5	67	TO3P-5L	Forming	Latch up Mode	PC SMPS
KA1M0965SRTU	650	9	1.2	6	67	TO3P-5L		Auto Restart Mode	70~140watt SMPS
KA1M0965RYDTU	650	9	1.2	6	67	TO3P-5L	Forming	Auto Restart Mode	70~140watt SMPS
KA2S0680BTU	800	6	2	4	Synchronization	TO3P-5L		Latch up Mode	Monitor SMPS
KA2S0680BYDTU	800	6	2	4	Synchronization	TO3P-5L	Forming	Latch up Mode	Monitor SMPS
KA2S0765STU	650	7	1.6	5	Synchronization	TO3P-5L		Latch up Mode	Monitor SMPS
KA2S0765YDTU	650	7	1.6	5	Synchronization	TO3P-5L	Forming	Latch up Mode	Monitor SMPS
KA2S0880BTU	800	8	1.5	5	Synchronization	TO3P-5L		Latch up Mode	Monitor SMPS
KA2S0880BYDTU	800	8	1.5	5	Synchronization	TO3P-5L	Forming	Latch up Mode	Monitor SMPS
KA2S0965STU	650	9	1.2	5	Synchronization	TO3P-5L		Latch up Mode	Monitor SMPS
KA2S0965YDTU	650	9	1.2	5	Synchronization	TO3P-5L	Forming	Latch up Mode	Monitor SMPS
KA2S0965STU	650	9	1.2	6	Synchronization	TO3P-5L		Latch up Mode	Monitor SMPS
KA2S0965YDTU	650	9	1.2	6	Synchronization	TO3P-5L	Forming	Latch up Mode	Monitor SMPS
KA2S1265STU	650	12	0.8	8	Synchronization	TO3P-5L		Latch up Mode	Monitor SMPS
KA2S1265YDTU	650	12	0.8	8	Synchronization	TO3P-5L	Forming	Latch up Mode	Monitor SMPS
KA3S0680RBTU	800	6	2	4	Synchronization	TO3P-5L		Auto Restart Mode	TV SMPS
KA3S0680RBYDTU	800	6	2	4	Synchronization	TO3P-5L	Forming	Auto Restart Mode	TV SMPS
KA3S0680RFBTU	800	6	2	4	Synchronization	TO3PF-5L		Auto Restart Mode	TV SMPS
KA3S0680RFBYDTU	800	6	2	4	Synchronization	TO3PF-5L	Forming	Auto Restart Mode	TV SMPS
KA3S0765RFTU	650	7	1.6	5	Synchronization	TO3PF-5L		Auto Restart Mode	TV SMPS
KA3S0765RFYDTU	650	7	1.6	5	Synchronization	TO3PF-5L	Forming	Auto Restart Mode	TV SMPS
KA3S0765SRTU	650	7	1.6	5	Synchronization	TO3P-5L		Auto Restart Mode	TV SMPS
KA3S0765RYDTU	650	7	1.6	5	Synchronization	TO3P-5L	Forming	Auto Restart Mode	TV SMPS
KA3S0880RBTU	800	8	1.5	5	Synchronization	TO3P-5L		Auto Restart Mode	TV SMPS
KA3S0880RBYDTU	800	8	1.5	5	Synchronization	TO3P-5L	Forming	Auto Restart Mode	TV SMPS
KA3S0880RFBTU	800	8	1.5	5	Synchronization	TO3PF-5L		Auto Restart Mode	TV SMPS
KA3S0880RFBYDTU	800	8	1.5	5	Synchronization	TO3PF-5L	Forming	Auto Restart Mode	TV SMPS
KA3S0965RFTU	650	9	1.2	6	Synchronization	TO3PF-5L		Auto Restart Mode	TV SMPS
KA3S0965RFYDTU	650	9	1.2	6	Synchronization	TO3PF-5L	Forming	Auto Restart Mode	TV SMPS
KA3S0965SRTU	650	9	1.2	6	Synchronization	TO3P-5L		Auto Restart Mode	TV SMPS
KA3S0965RYDTU	650	9	1.2	6	Synchronization	TO3P-5L	Forming	Auto Restart Mode	TV SMPS

Power Management

Off-Line Conversion ICs — Fairchild Power Switch (FPS) (Continued)

Part Number	Max Drain Voltage V	Continuous Drain Current A	Static Drain-Source on Resistance Ω	Peak Current Limit A	Switching Frequency kHz	Package	Package Option	Protection Mode	Applications
KA3S1265RDYDTU	650	12	0.8	8	Synchronization	TO3P-5L	Forming	Auto Restart Mode	TV SMPS
KA3S1265RFU	650	12	0.8	8	Synchronization	TO3PF-5L		Auto Restart Mode	TV SMPS
KA3S1265RFYDTU	650	12	0.8	8	Synchronization	TO3PF-5L	Forming	Auto Restart Mode	TV SMPS
KA3S1265RTU	650	12	0.8	8	Synchronization	TO3P-5L		Auto Restart Mode	TV SMPS
KA3S1265RYDTU	650	12	0.8	8	Synchronization	TO3P-5L	Forming	Auto Restart Mode	TV SMPS
KA5H0165RN	650	1	10	0.6	100	DIP-8		Auto Restart Mode	Charger & Low power Adaptor
KA5H0165RTU	650	1	10	0.6	100	TO220F-4L		Auto Restart Mode	Charger & Low power Adaptor
KA5H0165RVN	650	1	10	0.6	100	DIP-8		Auto Restart Mode	Charger & Low power Adaptor
KA5H0165RVU	650	1	10	0.6	100	TO220F-4L		Auto Restart Mode	Charger & Low power Adaptor
KA5H0165RYDTU	650	1	10	0.6	100	TO220F-4L	Forming	Auto Restart Mode	Charger & Low power Adaptor
KA5H0165RYDTU	650	1	10	0.6	100	TO220F-4L	Forming	Auto Restart Mode	Charger & Low power Adaptor
KA5H02659RN	650	2	6	0.9	100	DIP-8		Auto Restart Mode	Charger & Low power Adaptor
KA5H0265RCTU	650	2	6	1.2	100	TO220-5L		Auto Restart Mode	10~20watt low power SMPS
KA5H0265RCYDTU	650	2	6	1.2	100	TO220-5L	Forming	Auto Restart Mode	10~20watt low power SMPS
KA5H0280RTU	800	2	7	1.2	100	TO220F-4L		Auto Restart Mode	10~20watt low power SMPS
KA5H0280RYDTU	800	2	7	1.2	100	TO220F-4L	Forming	Auto Restart Mode	10~20watt low power SMPS
KA5H0365RTU	650	3	4.5	2.15	100	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA5H0365RYDTU	650	3	4.5	2.15	100	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA5H0380RTU	800	3	5	2.15	100	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA5H0380RYDTU	800	3	5	2.15	100	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA5L0165RITU	650	1	10	0.6	50	I2-PAK-5L		Auto Restart Mode	Charger & Low power Adaptor
KA5L0165RIYDTU	650	1	10	0.6	50	I2-PAK-5L	Forming	Auto Restart Mode	Charger & Low power Adaptor
KA5L0165RN	650	1	10	0.6	50	DIP-8		Auto Restart Mode	Charger & Low power Adaptor
KA5L0165RTU	650	1	10	0.6	50	TO220F-4L		Auto Restart Mode	Charger & Low power Adaptor
KA5L0165RVN	650	1	10	0.6	50	DIP-8		Auto Restart Mode	Charger & Low power Adaptor
KA5L0165RVU	650	1	10	0.6	50	TO220F-4L		Auto Restart Mode	Charger & Low power Adaptor
KA5L0165RYDTU	650	1	10	0.6	50	TO220F-4L	Forming	Auto Restart Mode	Charger & Low power Adaptor
KA5L0165RYDTU	650	1	10	0.6	50	TO220F-4L	Forming	Auto Restart Mode	Charger & Low power Adaptor
KA5L0265RTU	650	2	6	1.2	50	TO220F-4L		Auto Restart Mode	10~20watt low power SMPS
KA5L0265RYDTU	650	2	6	1.2	50	TO220F-4L	Forming	Auto Restart Mode	10~20watt low power SMPS
KA5L0365RTU	650	3	4.5	2.15	50	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA5L0365RYDTU	650	3	4.5	2.15	50	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA5L0380RTU	800	3	5	2.15	50	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA5L0380RYDTU	800	3	5	2.15	50	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA5M0165RITU	650	1	10	0.6	67	I2-PAK-5L		Auto Restart Mode	Charger & Low power Adaptor
KA5M0165RIYDTU	650	1	10	0.6	67	I2-PAK-5L	Forming	Auto Restart Mode	Charger & Low power Adaptor
KA5M0165RN	650	1	10	0.6	67	DIP-8		Auto Restart Mode	Charger & Low power Adaptor
KA5M0165RTU	650	1	10	0.6	67	TO220F-4L		Auto Restart Mode	Charger & Low power Adaptor
KA5M0165RVN	650	1	10	0.6	67	DIP-8		Auto Restart Mode	Charger & Low power Adaptor
KA5M0165RVU	650	1	10	0.6	67	TO220F-4L		Auto Restart Mode	Charger & Low power Adaptor
KA5M0165RYDTU	650	1	10	0.6	67	TO220F-4L	Forming	Auto Restart Mode	Charger & Low power Adaptor
KA5M0165RYDTU	650	1	10	0.6	67	TO220F-4L	Forming	Auto Restart Mode	Charger & Low power Adaptor
KA5M02659RN	650	2	6	0.9	67	DIP-8		Auto Restart Mode	Charger & Low power Adaptor
KA5M0265RTU	650	2	6	1.2	67	TO220F-4L		Auto Restart Mode	10~20watt low power SMPS
KA5M0265RYDTU	650	2	6	1.2	67	TO220F-4L	Forming	Auto Restart Mode	10~20watt low power SMPS

Power Management

Off-Line Conversion ICs — Fairchild Power Switch (FPS) (Continued)

Part Number	Max Drain Voltage V	Continuous Drain Current A	Static Drain-Source on Resistance Ω	Peak Current Limit A	Switching Frequency kHz	Package	Package Option	Protection Mode	Applications
KA5M0280RTU	800	2	7	1.2	67	TO220F-4L		Auto Restart Mode	10~20watt low power SMPS
KA5M0280RYDTU	800	2	7	1.2	67	TO220F-4L	Forming	Auto Restart Mode	10~20watt low power SMPS
KA5M0365RTU	650	3	4.5	2.15	67	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA5M0365RYDTU	650	3	4.5	2.15	67	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA5M0380RTU	800	3	5	2.15	67	TO220F-4L		Auto Restart Mode	VCR STB VCD DVD
KA5M0380RYDTU	800	3	5	2.15	67	TO220F-4L	Forming	Auto Restart Mode	VCR STB VCD DVD
KA5M0765RQCTU	650	7	1.6	5	67	TO220-5L		Auto Restart Mode	50~90watt SMPS
KA5M0765RQCYDTU	650	7	1.6	5	67	TO220-5L	Forming	Auto Restart Mode	50~90watt SMPS
KA5M0965QRTU	650	9	1.2	6	67	TO3P-5L		Latch up Mode	70~140watt SMPS
KA5M0965QRYDTU	650	9	1.2	6	67	TO3P-5L	Forming	Latch up Mode	70~140watt SMPS
KA5P0680CTU	800	6	2	4	Adjustable	TO220-5L		Auto Restart Mode	PC SMPS
KA5P0680CYDTU	800	6	2	4	Adjustable	TO220-5L	Forming	Auto Restart Mode	PC SMPS
KA5Q0765RRTU	650	7	1.6	5	Synchronization	TO220F-5L		Auto Restart Mode	TV SMPS
KA5Q0765RYDTU	650	7	1.6	5	Synchronization	TO220F-5L	Forming	Auto Restart Mode	TV SMPS
KA5Q12656RRTU	650	12	0.8	6	Synchronization	TO220F-5L		Auto Restart Mode	TV SMPS
KA5Q12656RYDTU	650	12	0.8	6	Synchronization	TO220F-5L	Forming	Auto Restart Mode	TV SMPS
KA5Q1265RFTU	650	12	0.8	8	Synchronization	TO3PF-5L		Auto Restart Mode	TV SMPS
KA5Q1265RFYDTU	650	12	0.8	8	Synchronization	TO3PF-5L	Forming	Auto Restart Mode	TV SMPS
KA5Q1565RFTU	650	15	0.6	11.5	Synchronization	TO3PF-5L		Auto Restart Mode	TV SMPS
KA5Q1565RFYDTU	650	15	0.6	11.5	Synchronization	TO3PF-5L	Forming	Auto Restart Mode	TV SMPS
KA5S0765CTU	650	7	1.6	4	Synchronization	TO220-5L		Latch up Mode	Monitor SMPS
KA5S0765CYDTU	650	7	1.6	4	Synchronization	TO220-5L	Forming	Latch up Mode	Monitor SMPS
KA5S09654QRTU	650	9	1.2	4	Synchronization	TO220F-5L		Latch up Mode	Monitor SMPS
KA5S09654QRYDTU	650	9	1.2	4	Synchronization	TO220F-5L	Forming	Latch up Mode	Monitor SMPS
KA5S09655TU	650	9	1.2	6	Synchronization	TO3P-5L		Latch up Mode	Monitor SMPS
KA5S0965YDTU	650	9	1.2	6	Synchronization	TO3P-5L	Forming	Latch up Mode	Monitor SMPS
KA5S12656TU	650	12	0.8	6	Synchronization	TO3P-5L		Latch up Mode	Monitor SMPS
KA5S12656YDTU	650	12	0.8	6	Synchronization	TO3P-5L	Forming	Latch up Mode	Monitor SMPS
KA5S12657TU	650	12	0.8	8	Synchronization	TO3P-5L		Latch up Mode	Monitor SMPS
KA5S1265YDTU	650	12	0.8	8	Synchronization	TO3P-5L	Forming	Latch up Mode	Monitor SMPS

Power Management

Supervisory Circuits — Microprocessor/General Purpose

Part Number	VCC V	Reset Pulse Duration ms	Trip Point Voltage V	Bi-Directional Reset	Manual Rest	Output Polarity	Output Driver	Operating Temp °C	Package	Packing
FM803JP3X*	5	256	4.00	No	No	Active Low	Open-Drain	-40 to +85	SC70-3	TnR
FM803LP3X*	5	256	4.63	No	No	Active Low	Open-Drain	-40 to +85	SC70-3	TnR
FM803MP3X*	5	256	4.38	No	No	Active Low	Open-Drain	-40 to +85	SC70-3	TnR
FM803RP3X*	3	256	2.63	No	No	Active Low	Open-Drain	-40 to +85	SC70-3	TnR
FM803SP3X*	3	256	2.93	No	No	Active Low	Open-Drain	-40 to +85	SC70-3	TnR
FM803TP3X*	3	256	3.08	No	No	Active Low	Open-Drain	-40 to +85	SC70-3	TnR
FM803JS3X	5	256	4.00	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM803LS3X	5	256	4.63	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM803MS3X	5	256	4.38	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM803RS3X	3	256	2.63	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM803SS3X	3	256	2.93	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM803TS3X	3	256	3.08	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM809JP3X*	5	256	4.00	No	No	Active Low	Push/Pull	-40 to +85	SC70-3	TnR
FM809LP3X*	5	256	4.63	No	No	Active Low	Push/Pull	-40 to +85	SC70-3	TnR
FM809MP3X*	5	256	4.38	No	No	Active Low	Push/Pull	-40 to +85	SC70-3	TnR
FM809RP3X*	3	256	2.63	No	No	Active Low	Push/Pull	-40 to +85	SC70-3	TnR
FM809SP3X*	3	256	2.93	No	No	Active Low	Push/Pull	-40 to +85	SC70-3	TnR
FM809TP3X*	3	256	3.08	No	No	Active Low	Push/Pull	-40 to +85	SC70-3	TnR
FM809JS3X	5	256	4.00	No	No	Active Low	Push/Pull	-40 to +105	SOT23-3	TnR
FM809LS3X	5	256	4.63	No	No	Active Low	Push/Pull	-40 to +105	SOT23-3	TnR
FM809MS3X	5	256	4.38	No	No	Active Low	Push/Pull	-40 to +105	SOT23-3	TnR
FM809RS3X	3	256	2.63	No	No	Active Low	Push/Pull	-40 to +105	SOT23-3	TnR
FM809SS3X	3	256	2.93	No	No	Active Low	Push/Pull	-40 to +105	SOT23-3	TnR
FM809TS3X	3	256	3.08	No	No	Active Low	Push/Pull	-40 to +105	SOT23-3	TnR
FM810JP3X*	5	256	4.00	No	No	Active High	Push/Pull	-40 to +85	SC70-3	TnR
FM810LP3X*	5	256	4.63	No	No	Active High	Push/Pull	-40 to +85	SC70-3	TnR
FM810MP3X*	5	256	4.38	No	No	Active High	Push/Pull	-40 to +85	SC70-3	TnR
FM810RP3X*	3	256	2.63	No	No	Active High	Push/Pull	-40 to +85	SC70-3	TnR
FM810SP3X*	3	256	2.93	No	No	Active High	Push/Pull	-40 to +85	SC70-3	TnR
FM810TP3X*	3	256	3.08	No	No	Active High	Push/Pull	-40 to +85	SC70-3	TnR
FM810JS3X	5	256	4.00	No	No	Active High	Push/Pull	-40 to +105	SOT23-3	TnR
FM810LS3X	5	256	4.63	No	No	Active High	Push/Pull	-40 to +105	SOT23-3	TnR
FM810MS3X	5	256	4.38	No	No	Active High	Push/Pull	-40 to +105	SOT23-3	TnR
FM810RS3X	3	256	2.63	No	No	Active High	Push/Pull	-40 to +105	SOT23-3	TnR
FM810SS3X	3	256	2.93	No	No	Active High	Push/Pull	-40 to +105	SOT23-3	TnR
FM810TS3X	3	256	3.08	No	No	Active High	Push/Pull	-40 to +105	SOT23-3	TnR
FM811JUX*	5	256	4.00	No	Yes	Active Low	Push/Pull	-40 to +85	SOT143-4	TnR
FM811LUX*	5	256	4.63	No	Yes	Active Low	Push/Pull	-40 to +85	SOT143-4	TnR
FM811MUX*	5	256	4.38	No	Yes	Active Low	Push/Pull	-40 to +85	SOT143-4	TnR
FM811RUX*	3	256	2.63	No	Yes	Active Low	Push/Pull	-40 to +85	SOT143-4	TnR
FM811SUX*	3	256	2.93	No	Yes	Active Low	Push/Pull	-40 to +85	SOT143-4	TnR
FM811TUX*	3	256	3.08	No	Yes	Active Low	Push/Pull	-40 to +85	SOT143-4	TnR
FM812JUX*	5	256	4.00	No	Yes	Active High	Push/Pull	-40 to +85	SOT143-4	TnR
FM812LUX*	5	256	4.63	No	Yes	Active High	Push/Pull	-40 to +85	SOT143-4	TnR
FM812MUX*	5	256	4.38	No	Yes	Active High	Push/Pull	-40 to +85	SOT143-4	TnR
FM812RUX*	3	256	2.63	No	Yes	Active High	Push/Pull	-40 to +85	SOT143-4	TnR

Power Management

Supervisory Circuits — Microprocessor/General Purpose (Continued)

Part Number	VCC V	Reset Pulse Duration ms	Trip Point Voltage V	Bi-Directional Reset	Manual Reset	Output Polarity	Output Driver	Operating Temp °C	Package	Packing
FM812SUX*	3	256	2.93	No	Yes	Active High	Push/Pull	-40 to +85	SOT143-4	TnR
FM812TUX*	3	256	3.08	No	Yes	Active High	Push/Pull	-40 to +85	SOT143-4	TnR
FM1233ACS3X	3	256	2.88	Yes	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM1233ADS3X	3	256	2.72	Yes	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM1233BDS3X	5	256	4.38	Yes	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM1233BES3X	5	256	4.12	Yes	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM1233BFS3X	5	256	4.62	Yes	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM1233DDS3X	5	256	4.38	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM1233DES3X	5	256	4.12	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM1233DFS3X	5	256	4.62	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM1233ECS3X	3	256	2.88	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR
FM1233EDS3X	3	256	2.72	No	No	Active Low	Open-Drain	-40 to +105	SOT23-3	TnR

*Product In Development: Consult Factory

Supervisory Circuits — SMPS

Part Number	Operating Voltage V	Operating Current mA	Remote	PG Inputs	Over Voltage Protection	Over Current Protection	Under Voltage Protection	Operating Temp °C	Package	Packing
KA3501	5-32	3	No	Del/+5	Yes	No	No	0 to +70	DIP-14	Tube
KA3502	15-24	5	Yes	Del/+5	Yes	Yes	No	0 to +70	DIP-20	Tube
KA3505	15-30	5	Yes	Del/+3.3V/+5V	Yes	Yes	Yes	-25 to +85	DIP-16	Tube
FAN3506	4.5-15	3	Yes	Del/+3.3V/+5V	Yes	Yes	No	-25 to +85	DIP-16	Tube

Supervisory Circuits — Voltage Detectors

Part Number	Detecting Voltage			Hysteresis mV	VCC V	I _o (sink)	Operating Temp °C	Package	Packing
	(min) V	(typ) V	(max) V						
KA75250ZBU	2.35	2.5	2.65	50	0.3-15	20mA	-25-85	TO92	Bulk
KA75250ZTA	2.35	2.5	2.65	50	0.3-15	20mA	-25-85	TO92	Ammo Pack
KA75270ZBU	2.55	2.7	2.85	50	0.3-15	20mA	-25-85	TO92	Bulk
KA75270ZTA	2.55	2.7	2.85	50	0.3-15	20mA	-25-85	TO92	Ammo Pack
KA75290ZBU	2.75	2.9	3.05	50	0.3-15	20mA	-25-85	TO92	Bulk
KA75290ZTA	2.75	2.9	3.05	50	0.3-15	20mA	-25-85	TO92	Ammo Pack
KA75310ZBU	2.95	3.1	3.25	50	0.3-15	20mA	-25-85	TO92	Bulk
KA75310ZTA	2.95	3.1	3.25	50	0.3-15	20mA	-25-85	TO92	Ammo Pack
KA75330ZBU	3.15	3.3	3.45	50	0.3-15	20mA	-25-85	TO92	Bulk
KA75330ZTA	3.15	3.3	3.45	50	0.3-15	20mA	-25-85	TO92	Ammo Pack
KA75360ZBU	3.45	3.6	3.75	50	0.3-15	20mA	-25-85	TO92	Bulk
KA75360ZTA	3.45	3.6	3.75	50	0.3-15	20mA	-25-85	TO92	Ammo Pack
KA75390ZBU	3.75	3.9	4.05	50	0.3-15	20mA	-25-85	TO92	Bulk
KA75390ZTA	3.75	3.9	4.05	50	0.3-15	20mA	-25-85	TO92	Ammo Pack
KA75420ZBU	4.05	4.2	4.35	50	0.3-15	20mA	-25-85	TO92	Bulk
KA75420ZTA	4.05	4.2	4.35	50	0.3-15	20mA	-25-85	TO92	Ammo Pack
KA75450ZBU	4.35	4.5	4.65	50	0.3-15	20mA	-25-85	TO92	Bulk
KA75450ZTA	4.35	4.5	4.65	50	0.3-15	20mA	-25-85	TO92	Ammo Pack
ILC5061AC23X	2.25	2.3	2.35	115	10	50mA	-40-85	SC70	TnR

Power Management

Supervisory Circuits — Voltage Detectors (Continued)

Part Number	Detecting Voltage			Hysteresis mV	VCC V	I _o (sink) mA	Operating Temp °C	Package	Packing
	(min) V	(typ) V	(max) V						
ILC5061AC25X	2.45	2.5	2.55	125	10	50mA	-40~85	SC70	TnR
ILC5061AC26X	2.55	2.6	2.65	130	10	50mA	-40~85	SC70	TnR
ILC5061AC27X	2.65	2.7	2.75	135	10	50mA	-40~85	SC70	TnR
ILC5061AC28X	2.74	2.8	2.86	140	10	50mA	-40~85	SC70	TnR
ILC5061AC29X	2.84	2.9	2.96	145	10	50mA	-40~85	SC70	TnR
ILC5061AC31X	3.04	3.1	3.16	155	10	50mA	-40~85	SC70	TnR
ILC5061AC37X	3.63	3.7	3.77	185	10	50mA	-40~85	SC70	TnR
ILC5061AC44X	4.31	4.4	4.49	220	10	50mA	-40~85	SC70	TnR
ILC5061AC46X	4.51	4.6	4.69	230	10	50mA	-40~85	SC70	TnR
ILC5061AIC23X	2.28	2.3	2.32	115	10	50mA	-40~85	SC70	TnR
ILC5061AIC25X	2.48	2.5	2.53	125	10	50mA	-40~85	SC70	TnR
ILC5061AIC26X	2.57	2.6	2.63	130	10	50mA	-40~85	SC70	TnR
ILC5061AIC27X	2.67	2.7	2.73	135	10	50mA	-40~85	SC70	TnR
ILC5061AIC28X	2.77	2.8	2.83	140	10	50mA	-40~85	SC70	TnR
ILC5061AIC29X	2.87	2.9	2.93	145	10	50mA	-40~85	SC70	TnR
ILC5061AIC31X	3.07	3.1	3.13	155	10	50mA	-40~85	SC70	TnR
ILC5061AIC37X	3.66	3.7	3.74	185	10	50mA	-40~85	SC70	TnR
ILC5061AIC44X	4.36	4.4	4.44	220	10	50mA	-40~85	SC70	TnR
ILC5061AIC46X	4.55	4.6	4.65	230	10	50mA	-40~85	SC70	TnR
ILC5061AM23X	2.28	2.3	2.32	115	10	50mA	-40~85	SOT23-3	TnR
ILC5061AM25X	2.48	2.5	2.53	125	10	50mA	-40~85	SOT23-3	TnR
ILC5061AM26X	2.57	2.6	2.63	130	10	50mA	-40~85	SOT23-3	TnR
ILC5061AM27X	2.67	2.7	2.73	135	10	50mA	-40~85	SOT23-3	TnR
ILC5061AM28X	2.77	2.8	2.83	140	10	50mA	-40~85	SOT23-3	TnR
ILC5061AM29X	2.87	2.9	2.93	145	10	50mA	-40~85	SOT23-3	TnR
ILC5061AM31X	3.07	3.1	3.13	155	10	50mA	-40~85	SOT23-3	TnR
ILC5061AM37X	3.66	3.7	3.74	185	10	50mA	-40~85	SOT23-3	TnR
ILC5061AM44X	4.36	4.4	4.44	220	10	50mA	-40~85	SOT23-3	TnR
ILC5061AM46X	4.55	4.6	4.65	230	10	50mA	-40~85	SOT23-3	TnR
ILC5061M23X	2.25	2.3	2.35	115	10	50mA	-40~85	SOT23-3	TnR
ILC5061M25X	2.45	2.5	2.55	125	10	50mA	-40~85	SOT23-3	TnR
ILC5061M26X	2.55	2.6	2.65	130	10	50mA	-40~85	SOT23-3	TnR
ILC5061M27X	2.65	2.7	2.75	135	10	50mA	-40~85	SOT23-3	TnR
ILC5061M28X	2.74	2.8	2.86	140	10	50mA	-40~85	SOT23-3	TnR
ILC5061M29X	2.84	2.9	2.96	145	10	50mA	-40~85	SOT23-3	TnR
ILC5061M31X	3.04	3.1	3.16	155	10	50mA	-40~85	SOT23-3	TnR
ILC5061M37X	3.63	3.7	3.77	185	10	50mA	-40~85	SOT23-3	TnR
ILC5061M44X	4.31	4.4	4.49	220	10	50mA	-40~85	SOT23-3	TnR
ILC5061M46X	4.51	4.6	4.69	230	10	50mA	-40~85	SOT23-3	TnR
ILC5062AC23X	2.25	2.3	2.35	115	10	50mA	-40~85	SC70	TnR
ILC5062AC25X	2.45	2.5	2.55	125	10	50mA	-40~85	SC70	TnR
ILC5062AC26X	2.55	2.6	2.65	130	10	50mA	-40~85	SC70	TnR
ILC5062AC27X	2.65	2.7	2.75	135	10	50mA	-40~85	SC70	TnR
ILC5062AC28X	2.74	2.8	2.86	140	10	50mA	-40~85	SC70	TnR
ILC5062AC29X	2.84	2.9	2.96	145	10	50mA	-40~85	SC70	TnR
ILC5062AC31X	3.04	3.1	3.16	155	10	50mA	-40~85	SC70	TnR

Power Management

Supervisory Circuits — Voltage Detectors (Continued)

Part Number	Detecting Voltage			Hysteresis mV	VCC V	I _o (sink) mA	Operating Temp °C	Package	Packing
	(min) V	(typ) V	(max) V						
IIC5062AC37X	3.63	3.7	3.77	185	10	50mA	-40~85	SC70	TnR
IIC5062AC44X	4.31	4.4	4.49	220	10	50mA	-40~85	SC70	TnR
IIC5062AC46X	4.51	4.6	4.69	230	10	50mA	-40~85	SC70	TnR
IIC5062AIC23X	2.28	2.3	2.32	115	10	50mA	-40~85	SC70	TnR
IIC5062AIC25X	2.48	2.5	2.53	125	10	50mA	-40~85	SC70	TnR
IIC5062AIC26X	2.57	2.6	2.63	130	10	50mA	-40~85	SC70	TnR
IIC5062AIC27X	2.67	2.7	2.73	135	10	50mA	-40~85	SC70	TnR
IIC5062AIC28X	2.77	2.8	2.83	140	10	50mA	-40~85	SC70	TnR
IIC5062AIC29X	2.87	2.9	2.93	145	10	50mA	-40~85	SC70	TnR
IIC5062AIC31X	3.07	3.1	3.13	155	10	50mA	-40~85	SC70	TnR
IIC5062AIC37X	3.66	3.7	3.74	185	10	50mA	-40~85	SC70	TnR
IIC5062AIC44X	4.36	4.4	4.44	220	10	50mA	-40~85	SC70	TnR
IIC5062AIC46X	4.55	4.6	4.65	230	10	50mA	-40~85	SC70	TnR
IIC5062AM23X	2.28	2.3	2.32	115	10	50mA	-40~85	SOT23-3	TnR
IIC5062AM25X	2.48	2.5	2.53	125	10	50mA	-40~85	SOT23-3	TnR
IIC5062AM26X	2.57	2.6	2.63	130	10	50mA	-40~85	SOT23-3	TnR
IIC5062AM27X	2.67	2.7	2.73	135	10	50mA	-40~85	SOT23-3	TnR
IIC5062AM28X	2.77	2.8	2.83	140	10	50mA	-40~85	SOT23-3	TnR
IIC5062AM29X	2.87	2.9	2.93	145	10	50mA	-40~85	SOT23-3	TnR
IIC5062AM31X	3.07	3.1	3.13	155	10	50mA	-40~85	SOT23-3	TnR
IIC5062AM37X	3.66	3.7	3.74	185	10	50mA	-40~85	SOT23-3	TnR
IIC5062AM44X	4.36	4.4	4.44	220	10	50mA	-40~85	SOT23-3	TnR
IIC5062AM46X	4.55	4.6	4.65	230	10	50mA	-40~85	SOT23-3	TnR
IIC5062M23X	2.25	2.3	2.35	115	10	50mA	-40~85	SOT23-3	TnR
IIC5062M25X	2.45	2.5	2.55	125	10	50mA	-40~85	SOT23-3	TnR
IIC5062M26X	2.55	2.6	2.65	130	10	50mA	-40~85	SOT23-3	TnR
IIC5062M27X	2.65	2.7	2.75	135	10	50mA	-40~85	SOT23-3	TnR
IIC5062M28X	2.74	2.8	2.86	140	10	50mA	-40~85	SOT23-3	TnR
IIC5062M29X	2.84	2.9	2.96	145	10	50mA	-40~85	SOT23-3	TnR
IIC5062M31X	3.04	3.1	3.16	155	10	50mA	-40~85	SOT23-3	TnR
IIC5062M37X	3.63	3.7	3.77	185	10	50mA	-40~85	SOT23-3	TnR
IIC5062M44X	4.31	4.4	4.49	220	10	50mA	-40~85	SOT23-3	TnR
IIC5062M46X	4.51	4.6	4.69	230	10	50mA	-40~85	SOT23-3	TnR

Thermal Management

Temperature Sensors

Part Number	Output Slope (Sensor Gain) mV/°C	Supply Voltage (min) V	Supply Voltage (max) V	Supply Current (max) μ A	Output Current (Sink) μ A	Output Current (Source) μ A	Accuracy °C	Temp Range °C	Output Type	Package w/TnR
FM20P5X	-11.77	2.4	6	12	20	1	± 3	-55 to +130	Analog	SC70-5
FM20S3X	-11.77	2.4	6	12	20	1	± 3	-55 to +130	Analog	SOT23-3
FM50S3X	10	2.4	6	130	50	25	± 3	-40 to +125	Analog	SOT23-3
FM51S3X	10	2.4	6	130	1000	1000	± 3	-40 to +125	Analog	SOT23-3
FM75M8X	N/A	2.7	5.5	150	3000	N/A	± 3	-40 to +125	Digital	SO-8
FM75MM8X	N/A	2.7	5.5	150	3000	N/A	± 3	-40 to +125	Digital	MSOP-8

Timing Circuits

Phase-Locked Loops (PLLs)

Part Number	Description	Freq Range (min) MHz	Freq Range (max) MHz	# of Outputs	Jitter psec	Common Power Supply Voltage V	Power Consumption W	Package	Packing
FMS72509MTC	Phase Locked Loop Clock Driver	25	140	11	120	3.3	0.9	TSSOP-24	Tube
FMS72510MTC	Phase Locked Loop Clock Driver	25	140	11	120	3.3	0.9	TSSOP-24	Tube
FMS7950KWC	Clock Multiplier	12	175	9	300	3.3	0.5	LQFP-32	Tray
FMS7950KWXC	Clock Multiplier	12	175	9	300	3.3	0.5	LQFP-32	TnR
FMS7951KWC	Zero Delay Clock Multiplier	10	175	9	300	3.3	0.47	LQFP-32	Tray
FMS7951KWXC	Zero Delay Clock Multiplier	10	175	9	300	3.3	0.47	LQFP-32	TnR

Timers

Part Number	Description	Supply Voltage V	Control Voltage at VCC 15V V	Control Voltage at VCC 5V V	Threshold Voltage at VCC 15V V	Threshold Voltage at VCC 5V V	Trigger Voltage at VCC 15V V	Trigger Voltage at VCC 5V V	Operating Temp Range °C	Package	Packing
KA555	Single Timer	4.5~16	9.0~11	2.6~4.0	10	3.33	4.5~5.6	1.1~2.2	0~+70	DIP-8	Tube
KA555D	Single Timer	4.5~16	9.0~11	2.6~4.0	10	3.33	4.5~5.6	1.1~2.2	0~+70	SOP-8	Tube, TnR
KA555I	Single Timer	4.5~16	9.0~11	2.6~4.0	10	3.33	4.5~5.6	1.1~2.2	-40~+85	DIP-8	Tube
KA555ID	Single Timer	4.5~16	9.0~11	2.6~4.0	10	3.33	4.5~5.6	1.1~2.2	-40~+85	SOP-8	Tube
KA556	Dual Timer	4.5~16	9.0~11.0	2.6~4.0	8.8~11.2	2.4~4.2	4.5~5.6	1.1~2.2	0~+70	DIP-14	Tube
KA556D	Dual Timer	4.5~16	9.0~11.0	2.6~4.0	8.8~11.2	2.4~4.2	4.5~5.6	1.1~2.2	0~+70	SOP-14	Tube, TnR
KA556I	Dual Timer	4.5~16	9.0~11.0	2.6~4.0	8.8~11.2	2.4~4.2	4.5~5.6	1.1~2.2	-40~+85	DIP-14	Tube
KA556ID	Dual Timer	4.5~16	9.0~11.0	2.6~4.0	8.8~11.2	2.4~4.2	4.5~5.6	1.1~2.2	-40~+85	SOP-14	Tube
KA558B	Quad Timer	4.5~16			0.8~(0.63XVcc)		1.5~2.4		0~+70	DIP-16	Tube
KA558BD	Quad Timer	4.5~16			0.8~(0.63XVcc)		1.5~2.4		0~+70	SOP-16	Tube, TnR
LM555CM	Single Timer	4.5~16	9.0~11	2.6~4.0	10	3.33	4.5~5.6	1.1~2.2	0~+70	SOP-8	Tube, TnR
LM555CN	Single Timer	4.5~16	9.0~11	2.6~4.0	10	3.33	4.5~5.6	1.1~2.2	0~+70	DIP-8	Tube
LM556CM	Dual Timer	4.5~16	9.0~11.0	2.6~4.0	8.8~11.2	2.4~4.2	4.5~5.6	1.1~2.2	0~+70	SOP-14	Tube, TnR
LM556CN	Dual Timer	4.5~16	9.0~11.0	2.6~4.0	8.8~11.2	2.4~4.2	4.5~5.6	1.1~2.2	0~+70	DIP-14	Tube
NE555D	Single Timer	4.5~16	9.0~11	2.6~4.0	10	3.33	4.5~5.6	1.1~2.2	0~+70	SOP-8	Tube, TnR
NE555N	Single Timer	4.5~16	9.0~11	2.6~4.0	10	3.33	4.5~5.6	1.1~2.2	0~+70	DIP-8	Tube, TnR
NE556D	Dual Timer	4.5~16	9.0~11.0	2.6~4.0	8.8~11.2	2.4~4.2	4.5~5.6	1.1~2.2	0~+70	SOP-14	Tube, TnR
NE558	Quad Timer	4.5~16			0.8~(0.63XVcc)		1.5~2.4		0~+70	DIP-16	Tube
SA555	Single Timer	4.5~16	9.0~11	2.6~4.0	10	3.33	4.5~5.6	1.1~2.2	-40~+85	DIP-8	Tube
SA555D	Single Timer	4.5~16	9.0~11	2.6~4.0	10	3.33	4.5~5.6	1.1~2.2	-40~+85	SOP-8	Tube

Microcontrollers

ACEx 8-bit Microcontroller

Part Number	EE Code Size Kbytes	EE Data Size bytes	RAM Data Size bytes	Brownout	VCC (min) V	VCC (max) V	# of IO	Package	Packing	Operating Temp °C
ACE1101BEMT8	1	64	64	No	2.7	5.5	6	TSSOP-8	Tube	-40 to +85
ACE1101BEMT8X	1	64	64	No	2.7	5.5	6	TSSOP-8	T&R	-40 to +85
ACE1101BEN	1	64	64	No	2.7	5.5	6	DIP-8	Tube	-40 to +85
ACE1101BEN14	1	64	64	No	2.7	5.5	8	DIP-14	Tube	-40 to +85
ACE1101BMT8	1	64	64	No	2.7	5.5	6	TSSOP-8	Tube	0 to +70
ACE1101BMT8X	1	64	64	No	2.7	5.5	6	TSSOP-8	T&R	0 to +70
ACE1101BN	1	64	64	No	2.7	5.5	6	DIP-8	Tube	0 to +70
ACE1101BN14	1	64	64	No	2.7	5.5	8	DIP-14	Tube	0 to +70
ACE1101BVMT8	1	64	64	No	2.7	5.5	6	TSSOP-8	Tube	-40 to +125
ACE1101BVMT8X	1	64	64	No	2.7	5.5	6	TSSOP-8	T&R	-40 to +125
ACE1101BVN	1	64	64	No	2.7	5.5	6	DIP-8	Tube	-40 to +125
ACE1101BVN14	1	64	64	No	2.7	5.5	8	DIP-14	Tube	-40 to +125
ACE1101EMT8	1	64	64	Yes	2.2	5.5	6	TSSOP-8	Tube	-40 to +85
ACE1101EMT8X	1	64	64	Yes	2.2	5.5	6	TSSOP-8	T&R	-40 to +85
ACE1101EN	1	64	64	Yes	2.2	5.5	6	DIP-8	Tube	-40 to +85
ACE1101EN14	1	64	64	Yes	2.2	5.5	8	DIP-14	Tube	-40 to +85
ACE1101LMT8	1	64	64	Yes	1.8	5.5	6	TSSOP-8	Tube	0 to +70
ACE1101LMT8X	1	64	64	Yes	1.8	5.5	6	TSSOP-8	T&R	0 to +70
ACE1101LN	1	64	64	Yes	1.8	5.5	6	DIP-8	Tube	0 to +70
ACE1101LN14	1	64	64	Yes	1.8	5.5	8	DIP-14	Tube	0 to +70
ACE1101MT8	1	64	64	Yes	2.2	5.5	6	TSSOP-8	Tube	0 to +70
ACE1101MT8X	1	64	64	Yes	2.2	5.5	6	TSSOP-8	T&R	0 to +70
ACE1101N	1	64	64	Yes	2.2	5.5	6	DIP-8	Tube	0 to +70
ACE1101N14	1	64	64	Yes	2.2	5.5	8	DIP-14	Tube	0 to +70
ACE1202BVM	2	64	64	Yes	2.7	5.5	8	SO-14	Tube	-40 to +125
ACE1202BVM8	2	64	64	Yes	2.7	5.5	6	SO-8	Tube	-40 to +125
ACE1202BVM8X	2	64	64	Yes	2.7	5.5	6	SO-8	T&R	-40 to +125
ACE1202BVMX	2	64	64	Yes	2.7	5.5	8	SO-14	T&R	-40 to +125
ACE1202EM	2	64	64	Yes	2.2	5.5	8	SO-14	Tube	-40 to +85
ACE1202EM8	2	64	64	Yes	2.2	5.5	6	SO-8	Tube	-40 to +85
ACE1202EM8X	2	64	64	Yes	2.2	5.5	6	SO-8	T&R	-40 to +85
ACE1202EMX	2	64	64	Yes	2.2	5.5	8	SO-14	T&R	-40 to +85
ACE1202EN	2	64	64	Yes	2.2	5.5	6	DIP-8	Tube	-40 to +85
ACE1202EN14	2	64	64	Yes	2.2	5.5	8	DIP-14	Tube	-40 to +85
ACE1202M	2	64	64	Yes	2.2	5.5	8	SO-14	Tube	0 to +70
ACE1202M8	2	64	64	Yes	2.2	5.5	6	SO-8	Tube	0 to +70
ACE1202M8X	2	64	64	Yes	2.2	5.5	6	SO-8	T&R	0 to +70
ACE1202MX	2	64	64	Yes	2.2	5.5	8	SO-14	T&R	0 to +70
ACE1202N	2	64	64	Yes	2.2	5.5	6	DIP-8	Tube	0 to +70
ACE1202N14	2	64	64	Yes	2.2	5.5	8	DIP-14	Tube	0 to +70

Application Specific ICs

Ballast ICs

Part Number	Description	Startup Current (max) mA	Vref Tolerance (±) %	VCC On/Off V	Frequency (max) kHz	Output Peak Current Sink/Source A	Special Functions			Operating Temp °C	Package	Packing
							Dimming	Soft Start	Lamp Current Feedback			
KA7540	Dimming Ballast Controller	0.3	1.5	9.5/7.7	60	0.3/0.3	○	○	X	0~105	DIP-8	Tube
KA7540D	Dimming Ballast Controller	0.3	1.5	9.5/7.7	60	0.3/0.3	○	○	X	0~105	SOP-8	Tube, TnR
KA7541	Electronic Ballast Controller	0.25	1.5	12.5/10.7	60	0.3/0.3	X	○	X	0~105	DIP-8	Tube
KA7541D	Electronic Ballast Controller	0.25	1.5	12.5/10.7	60	0.3/0.3	X	○	X	0~105	SOP-8	Tube, TnR
KA7543	Feedback Dimming Ballast Controller	0.27	1.5	9.5/7.7	53	0.3/0.3	○	○	○	-25~85	DIP-14	Tube
KA7543D	Feedback Dimming Ballast Controller	0.27	1.5	9.5/7.7	53	0.3/0.3	○	○	○	-25~85	SOP-14	Tube, TnR

Ground Fault Interrupt ICs

Part Number	Description	Package	Packing
KA2803B	Earth Leakage Detector	DIP-8	Tube
KA2803BD	Earth Leakage Detector	SOP-8	Tube
KA2803BDTF	Earth Leakage Detector	SOP-8	TnR
KA2807	Earth Leakage Detector	DIP-8	Tube
RV4140AM	Low Power 2-Wire Ground Fault Interrupter Controller	SO-8	Tube
RV4140AMT	Low Power 2-Wire Ground Fault Interrupter Controller	SO-8	TnR
RV4140AN	Low Power 2-Wire Ground Fault Interrupter Controller	DIP-8	Tube
RV4141AM	Low Power Ground Fault Interrupter	SO-8	Tube
RV4141AMT	Low Power Ground Fault Interrupter	SO-8	TnR
RV4141AN	Low Power Ground Fault Interrupter	DIP-8	Tube
RV4145AM	Low Power Ground Fault Interrupter	SO-8	Tube
RV4145AMT	Low Power Ground Fault Interrupter	SO-8	TnR
RV4145AN	Low Power Ground Fault Interrupter	DIP-8	Tube

Application Specific ICs

Motor ICs

Part Number	Description	# of Drive Channels	Control Method	VCC V	Motor Type	Application	Package	Packing
FAN8000D	Balanced Transformerless (BTL) Driver	4	Linear	4.5~13.2	DC / Actuator	CD Player	28-SSOPH-375	Tube
FAN8000DTF	Balanced Transformerless (BTL) Driver	4	Linear	4.5~13.2	DC / Actuator	CD Player	28-SSOPH-375	TnR
FAN8001BD	4CH BTL Driver + 1CH DC Motor Driver	5	Linear	6.0~13.2	DC / Actuator	CD Player	28-SSOPH-375	Tube
FAN8001BDTF	4CH BTL Driver + 1CH DC Motor Driver	5	Linear	6.0~13.2	DC / Actuator	CD Player	28-SSOPH-375	TnR
FAN8004	4CH BTL Driver + 1CH DC Motor Driver	5	Linear	4.5~13.2	DC / Actuator	CD Player	48-QFP-1010E	Tray
FAN8005D2	Balanced Transformerless(BTL) Driver with Regulator & Power save function	3	Linear	4.5~5.5	DC / Actuator	CD-ROM	28-SSOPH-300	Tube
FAN8005D2TF	Balanced Transformerless(BTL) Driver with Regulator & Power save function	3	Linear	4.5~5.5	DC / Actuator	CD-ROM	28-SSOPH-300	TnR
FAN8006D3	4CH BTL Driver	4	Linear	4.5~13.2	DC/Actuator	CD-ROM	28-SSOPH-375SG2	Tube
FAN8006D3TF	4CH BTL Driver	4	Linear	4.5~13.2	DC/Actuator	CD-ROM	28-SSOPH-375SG2	TnR
FAN8008	4CH BTL Driver + 2CH DC Motor Driver with 3.3V Regulator	6	Linear	4.5~16.0	DC / Actuator	CD Player	48-QFPH-1414	Tray
FAN8024BD	2CH Current Mode + 2CH BTL Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375	Tube
FAN8024BDTF	2CH Current Mode + 2CH BTL Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375	TnR
FAN8024D	2CH Current Mode + 2CH BTL Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375	Tube
FAN8024DTF	2CH Current Mode + 2CH BTL Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375	TnR
FAN8033	4CH BTL Driver + 2CH DC Motor Driver with 3.3V Regulator	6	Linear	4.5~16.0	DC / Actuator	CD Player	48-QFPH-1414	Tray
FAN8034	5CH BTL Driver + 1CH DC Motor Driver with 2 OP-Amp	6	Linear	4.5~13.2	DC / Actuator	DVD Player	48-QFPH-1414	Tray
FAN8034L	5CH BTL Driver + 1CH DC Motor Driver with 2 OP-Amp	6	Linear	4.5~13.2	DC / Actuator	DVD Player	48-QFPH-1414	Tray
FAN8035	5CH BTL Driver + 1CH DC Motor Driver with 2 OP-Amp	6	Linear	4.5~13.2	DC / Actuator	DVD Player	48-QFPH-1414	Tray
FAN8035L	5CH BTL Driver + 1CH DC Motor Driver with 2 OP-Amp	6	Linear	4.5~13.2	DC / Actuator	DVD Player	48-QFPH-1414	Tray
FAN8037	4CH BTL Driver + 3CH DC Motor Driver	7	Linear	4.5~13.2	DC / Actuator	CD Player	48-QFPH-1414	Tray
FAN8038B	4CH H-Bridge Driver with DC-DC Converter	4	Linear	1.5~8.0	DC / Actuator	CD Player	44-QFP-1010B	Tray
FAN8039BD3	4CH BTL Driver + 1CH DC Motor Driver	5	Linear	4.5~13.2	DC / Actuator	CD Player	28-SSOPH-375SG2	Tube
FAN8039BD3TF	4CH BTL Driver + 1CH DC Motor Driver	5	Linear	4.5~13.2	DC / Actuator	CD Player	28-SSOPH-375SG2	Tube
FAN8042	5CH BTL Driver	5	Linear	4.5~13.2	DC/Actuator	DVD Player	48-QFP-1010	Tube
FAN8082	DC Motor Driver	1	Linear	7.0~18.0	DC / Actuator	DC Motor	DIP-8	Tube
FAN8400BD3	3-Phase BLDC Motor Driver	1	Linear	20~28	BLCM	LBP	28-SSOPH-375SG2	Tube
FAN8400BD3TF	3-Phase BLDC Motor Driver	1	Linear	20~28	BLCM	LBP	28-SSOPH-375SG2	TnR
FAN8400D3	3-Phase BLDC Motor Driver	1	Linear	20~28	BLCM	LBP	28-SSOPH-375SG2	Tube
FAN8400D3TF	3-Phase BLDC Motor Driver	1	Linear	20~28	BLCM	LBP	28-SSOPH-375SG2	TnR
FAN8402D	3-Phase BLDC Motor Driver by 1-Hall Sensor	1	Linear	8.0~18	BLCM	VCR (Drum)	SOP-20	Tube
FAN8420D3	3-Phase BLDC Motor Driver with 3.3V Interface	1	Linear	3.0~14	BLCM	CD-ROM	28-SSOPH-375SG2	Tube
FAN8420D3TF	3-Phase BLDC Motor Driver with 3.3V Interface	1	Linear	3.0~14	BLCM	CD-ROM	28-SSOPH-375SG2	TnR
FAN8423D3	3-Phase BLDC Motor Driver with 5V Interface	1	Linear	3.5~14	BLCM	CD-ROM	28-SSOPH-375SG2	Tube
FAN8423D3TF	3-Phase BLDC Motor Driver with 5V Interface	1	Linear	3.5~14	BLCM	CD-ROM	28-SSOPH-375SG2	TnR
FAN8486D	2-Phase BLDC Motor Driver	1	Linear	8.0~16	BLCM	VCR (Drum)	28-SSOPH-375	Tube
FAN8486DTF	2-Phase BLDC Motor Driver	1	Linear	8.0~16	BLCM	VCR (Drum)	28-SSOPH-375	TnR
FAN8620B	3-Phase BLCM + VCM Driver with 3.3V & 5V Interface	2	Linear	10.8~13.2	BLCM/VCM	HDD	48-QFPH-1414	Tray
FAN8621B	3-Phase BLCM + VCM Driver with 3.3V & 5V Interface	2	Linear	10.8~13.2	BLCM/VCM	HDD	48-QFPH-1414	Tray
FAN8725	3-Phase BLCM + 5CH BTL Driver	6	Linear	4.5~13.2	BLCM/DC	CD-ROM	48-QFPH-1414	Tray
FAN8727	3-Phase BLCM + 4CH BTL Driver	5	Linear	4.5~13.2	BLCM/DC	DVD Player	48-QFPH-1414	Tray
FAN8902	DC FAN Motor Controller	1	PWM	9.0~32	DC	Automotive	DIP-14	Tube
FAN8903	Power Window Controller	1	Linear	8.0~17	DC	Automotive	DIP-16	Tube
KA2811C	3-Phase BLCM + VCM Driver	2	Linear	10.8~13.2	BLCM/VCM	HDD	48-QFPH-1414	Tray
KA2821D	Step Motor Driver	2	Linear	4.5~13.8	Step	FDD	SOP-20	Tube
KA2822BD	3-Phase BLDC Motor Driver	1	Linear	4.5~5.5	BLCM	FDD	28-SSOPH-375	Tube
KA2822BDTF	3-Phase BLDC Motor Driver	1	Linear	4.5~5.5	BLCM	FDD	28-SSOPH-375	TnR

Application Specific ICs

Motor ICs (Continued)

Part Number	Description	# of Drive Channels	Control Method	VCC V	Motor Type	Application	Package	Packing
KA2822D	3-Phase BLDC Motor Driver	1	Linear	4.5~5.5	BLBCM	FDD	28-SSOPH-375	Tube
KA2822DTF	3-Phase BLDC Motor Driver	1	Linear	4.5~5.5	BLBCM	FDD	28-SSOPH-375	Tube
KA3010D	Balanced Transformerless(BTL) Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375	Tube
KA3010DTF	Balanced Transformerless(BTL) Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375	TnR
KA3011BD	3-Phase BLDC Motor Driver with FG	1	Linear	3.0~15	BLDCM	CD-ROM	28-SSOPH-375	Tube
KA3011BDTF	3-Phase BLDC Motor Driver with FG	1	Linear	3.0~15	BLDCM	CD-ROM	28-SSOPH-375	TnR
KA3012D02	Balanced Transformerless(BTL) Driver	4	Linear	4.5~13.2	DC / Actuator	CD Player	28-SSOPH-375	Tube
KA3012D02TF	Balanced Transformerless(BTL) Driver	4	Linear	4.5~13.2	DC / Actuator	CD Player	28-SSOPH-375	TnR
KA3017	3-Phase BLDCM + 4CH BTL Driver	5	Linear	4.5~13.2	BLDCM/DC	DVD Player	48-QFPH-1414	Tray
KA3021D	3CH BTL Driver + 1CH DC Motor Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375	Tube
KA3021DTF	3CH BTL Driver + 1CH DC Motor Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375	TnR
KA3022D	3CH BTL Driver + 1CH DC Motor Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375	Tube
KA3022D3	3CH BTL Driver + 1CH DC Motor Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375SG2	Tube
KA3022D3TF	3CH BTL Driver + 1CH DC Motor Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375SG2	Tube
KA3022DTF	3CH BTL Driver + 1CH DC Motor Driver	4	Linear	4.5~13.2	DC / Actuator	CD-ROM	28-SSOPH-375	Tube
KA3023D	3-Phase BLDC Motor Driver with 5V Interface	1	Linear	3.5~14	BLDCM	CD-ROM	28-SSOPH-375SG2	Tube
KA3030D	4CH BTL Driver + 2CH DC Motor Driver	6	Linear	4.5~13.2	DC / Actuator	CD Player	28-SSOPH-375	Tube
KA3030DTF	4CH BTL Driver + 2CH DC Motor Driver	6	Linear	4.5~13.2	DC / Actuator	CD Player	28-SSOPH-375	TnR
KA3031	4CH BTL Driver + 2CH DC Motor Driver	6	Linear	4.5~16	DC / Actuator	CD Player	48-QFPH-1414	Tray
KA3032	4CH BTL Driver + 1CH DC Motor Driver	5	Linear	4.5~16	DC / Actuator	CD Player	48-QFP-1010E	Tray
KA3050	Camera 1-Chip IC	4.5	Linear	2.0~7.5	DC / Step	Camera	48-QFP-1010E	Tray
KA3080BD	3-Phase BLDC Motor Driver with FG	1	Linear	8.0~27	BLDCM	VCR (Capstan)	28-SSOPH-375	Tube
KA3080BD3	3-Phase BLDC Motor Driver with FG	1	Linear	8.0~27	BLDCM	VCR (Capstan)	28-SSOPH-375SG2	Tube
KA3080BD3TF	3-Phase BLDC Motor Driver with FG	1	Linear	8.0~27	BLDCM	VCR (Capstan)	28-SSOPH-375SG2	TnR
KA3080BDTF	3-Phase BLDC Motor Driver with FG	1	Linear	8.0~27	BLDCM	VCR (Capstan)	28-SSOPH-375	TnR
KA3080C	3-Phase BLDC Motor Driver with FG	1	Linear	8.0~27	BLDCM	VCR (Capstan)	SDIPH-32	Tube
KA3082B	DC Motor Driver	1	Linear	7.0~18	DC	VCR,CD Player	SIP-10	Tube
KA3084D	2-Phase BLDC Motor Driver with FG	1	Linear	8.0~16	BLDCM	VCR (Drum)	SOP-22	Tube
KA3084DTF	2-Phase BLDC Motor Driver with FG	1	Linear	8.0~16	BLDCM	VCR (Drum)	SOP-22	TnR
KA3100D	Step Motor Driver	2	Linear	2.5~7.0	Step	FDD	SOP-16	Tube
KA3100DTF	Step Motor Driver	2	Linear	2.5~7.0	Step	FDD	SOP-16	TnR
KA7405D	DC Motor Driver	2	Linear	2.5~6.0	DC	Camera	SOP-22	Tube
KA7405D01	DC Motor Driver	2	Linear	2.5~6.0	DC	Camera	SOP-22	Tube
KA8301L	DC Motor Driver	1	Linear	8.0~18	DC	VCR (Loading)	SIPH-10	Tube
KA9258BD	Balanced Transformerless(BTL) Driver	4	Linear	6.0~13.2	DC / Actuator	CD Player	28-SSOPH-375	Tube
KA9258BDTF	Balanced Transformerless(BTL) Driver	4	Linear	6.0~13.2	DC / Actuator	CD Player	28-SSOPH-375	TnR
KA9259ED	4CH BTL Driver + 1CH DC Motor Driver	5	Linear	6.0~13.2	DC / Actuator	CD Player	28-SSOPH-375	Tube
KA9259EDTF	4CH BTL Driver + 1CH DC Motor Driver	5	Linear	6.0~13.2	DC / Actuator	CD Player	28-SSOPH-375	TnR
KA9260D	4CH BTL Driver + 1CH DC Motor Driver	5	Linear	6.0~13.2	DC / Actuator	CD Player	28-SSOPH-375	Tube
KA9260DTF	4CH BTL Driver + 1CH DC Motor Driver	5	Linear	6.0~13.2	DC / Actuator	CD Player	28-SSOPH-375	TnR

Application Specific ICs

Multiplexer/Register for Microprocessor VID

Part Number	VCC (min) V	VCC (max) V	Slave Address	Output Level	Operating Temp °C	Package	Note
FM3540CM14	3.3	5.5	0x4E	Open Collector	0 to +70	SO-14	
FM3540CMT14	3.3	5.5	0x4E	Open Collector	0 to +70	TSSOP-14	
FM3540SM14	3.3	5.5	0x4E	Fixed 2.5V	0 to +70	SO-14	
FM3540SMT14	3.3	5.5	0x4E	Fixed 2.5V	0 to +70	TSSOP-14	
FM3540ACM14	3.3	5.5	0x37	Open Collector	0 to +70	SO-14	1
FM3540ACMT14	3.3	5.5	0x37	Open Collector	0 to +70	TSSOP-14	1
FM3540ASM14	3.3	5.5	0x37	Fixed 2.5V	0 to +70	SO-14	1
FM3540ASMT14	3.3	5.5	0x37	Fixed 2.5V	0 to +70	TSSOP-14	1
FM3550CM16	3.3	5.5	0x4E	Open Collector	0 to +70	SO-16	
FM3550CMT16	3.3	5.5	0x4E	Open Collector	0 to +70	TSSOP-16	
FM3550SM16	3.3	5.5	0x4E	Fixed 2.5V	0 to +70	SO-16	
FM3550SMT16	3.3	5.5	0x4E	Fixed 2.5V	0 to +70	SO-20	
FM3550ACM16	3.3	5.5	0x37	Open Collector	0 to +70	SO-16	
FM3550ACMT16	3.3	5.5	0x37	Open Collector	0 to +70	TSSOP-16	
FM3550ASM16	3.3	5.5	0x37	Fixed 2.5V	0 to +70	SO-16	
FM3550ASMT16	3.3	5.5	0x37	Fixed 2.5V	0 to +70	TSSOP-16	
FM3560M20	3.3	5.5	Selectible (0x37 or 0x4E)	Open Collector/Fixed 2.5V	0 to +70	SO-20	
FM3560MT20	3.3	5.5	Selectible (0x37 or 0x4E)	Open Collector/Fixed 2.5V	0 to +70	TSSOP-20	
FM3565M20	3.3	5.5	Selectible (0x37 or 0x4E)	Open Collector	0 to +70	SO-20	
FM3565MT20	3.3	5.5	Selectible (0x37 or 0x4E)	Open Collector	0 to +70	TSSOP-20	
FM3570M20	3.3	5.5	Selectible (0x37 or 0x4E)	Open Collector	0 to +70	SO-20	
FM3570MT20	3.3	5.5	Selectible (0x37 or 0x4E)	Open Collector	0 to +70	TSSOP-20	
FM3580M20	2.7	5.5	Selectible (0x37 or 0x4E)	Open Collector/Fixed 2.5V	0 to +70	SO-20	1, 2
FM3580MT20	2.7	5.5	Selectible (0x37 or 0x4E)	Open Collector/Fixed 2.5V	0 to +70	TSSOP-20	2

Note 1: Contact Marketing/Sales for Availability

Note 2: In Development.

Application Specific ICs

Telecom ICs

Part Number	Description	Package	Packing
ML2003CP	Logarithmic Gain/Attenuator	DIP-8	Tube
ML2003CQ	Logarithmic Gain/Attenuator	PLCC-20	Tube
ML2003CQX	Logarithmic Gain/Attenuator	PLCC-20	TnR
ML2003IQ	Logarithmic Gain/Attenuator	PLCC-20	Tube
ML2003IQX	Logarithmic Gain/Attenuator	PLCC-20	TnR
ML2004CP	Logarithmic Gain/Attenuator	DIP-14	Tube
ML2004IP	Logarithmic Gain/Attenuator	DIP-14	Tube
ML2021CP	Telephone Line Equalizer (Group Delay Tuned)	DIP-16	Tube
ML2021CS	Telephone Line Equalizer (Group Delay Tuned)	SO-18	Tube
ML2021CSX	Telephone Line Equalizer (Group Delay Tuned)	SO-18	TnR
ML2021IP	Telephone Line Equalizer (Group Delay Tuned)	DIP-16	Tube
ML2021IS	Telephone Line Equalizer (Group Delay Tuned)	SO-18	Tube
ML2021ISX	Telephone Line Equalizer (Group Delay Tuned)	SO-18	TnR
ML2035CP	DC - 25kHz Programmable Sinewave Generator	DIP-8	Tube
ML2035IP	DC - 25kHz Programmable Sinewave Generator	DIP-8	Tube
ML2036CP	DC - 50kHz Programmable Sinewave Generator	DIP-14	Tube
ML2036CS	DC - 50kHz Programmable Sinewave Generator	SO-16 WIDE	Tube
ML2036CSX	DC - 50kHz Programmable Sinewave Generator	SO-16 WIDE	TnR
ML2036IP	DC - 50kHz Programmable Sinewave Generator	DIP-14	Tube

Application Specific ICs

Video ICs — Analog Filters and Buffers

Part Number	Description	Input Format	Output Format	Cutoff Freq MHz	Channels	HDTV Capable	Input Clamps	Package	Packing
ML6415CS ML6415CSX	S-Video Filter with Summed Composite Output, Sound Trap and Group Delay Compensation	YC/Composite	YC/Composite	7.1	2	No	Yes	SO-8	Tube TnR
ML6416CS ML6416CSX	S-Video Filter with Summed Composite Output, Sound Trap and Group Delay Compensation	YC/Composite	YC/Composite	7.1	2	No	Yes	SO-8	Tube TnR
ML6417CHX*	Selectable RGB HD/SD Video Filter, YC, Composite and Modulator Outputs	RGB/YUV/YC/Composite	RGB/YUV/YC/Composite	8.30	5	Yes	No	LQFP-32	TnR
ML6426CS1 ML6426CS1X	High Bandwidth Triple Video Filters with Buffered Outputs for RFB or YUV	RGB/YUV	RGB/YUV	6.7,6.7,6.7 6.7,6.7,6.8	3	Yes	Yes	SO-16	Tube TnR
ML6426CS15 ML6426CS15X	High Bandwidth Triple Video Filters with Buffered Outputs for RFB or YUV	RGB/YUV	RGB/YUV	15,15,15 15,15,16	3	Yes	Yes	SO-16	Tube TnR
ML6426CS2 ML6426CS2X	High Bandwidth Triple Video Filters with Buffered Outputs for RFB or YUV	RGB/YUV	RGB/YUV	12,12,12 12,12,13	3	Yes	Yes	SO-16	Tube TnR
ML6426CS3 ML6426CS3X	High Bandwidth Triple Video Filters with Buffered Outputs for RFB or YUV	RGB/YUV	RGB/YUV	24,24,24 24,24,25	3	Yes	Yes	SO-16	Tube TnR
ML6426CS4 ML6426CS4X	High Bandwidth Triple Video Filters with Buffered Outputs for RFB or YUV	RGB/YUV	RGB/YUV	30,30,30 30,30,31	3	Yes	Yes	SO-16	Tube TnR
ML6426CS5 ML6426CS5X	High Bandwidth Triple Video Filters with Buffered Outputs for RFB or YUV	RGB/YUV	RGB/YUV	36,36,36 36,36,37	3	Yes	Yes	SO-16	Tube TnR
ML6426CS6 ML6426CS6X	High Bandwidth Triple Video Filters with Buffered Outputs for RFB or YUV	RGB/YUV	RGB/YUV	48,48,48 48,48,49	3	Yes	Yes	SO-16	Tube TnR
ML6427CS ML6427CSX	75 Ohm Quad Video Cable Drivers and Filters with Switchable Inputs	YC/Composite/RGB/YUV	YC/Composite/RGB/YUV	7.1,7.1,7.1,7.1 7.1,7.1,7.1,7.2	4	No	Yes	SO-24	Tube TnR
ML6428CS1 ML6428CS1X	S-Video Filter and 75 Ohm Line Drivers with Summed Composite Output	YC/Composite	YC/Composite	6.7,6.7 6.7,6.8	2	No	Yes	SO-8	Tube TnR
ML6428CS2 ML6428CS2X	S-Video Filter and 75 Ohm Line Drivers with Summed Composite Output	YC/Composite	YC/Composite	6.7,6.9 6.7,6.10	2	No	Yes	SO-8	Tube TnR
ML6429CS ML6429CSX	75 Ohm Quad Video Cable Drivers and Filters with Switchable Inputs	YC/Composite/RGB/YUV	YC/Composite/RGB/YUV	7.1,7.1,7.1,7.1 7.1,7.1,7.1,7.2	4	No	Yes	SO-24	Tube TnR
RC6303M	Triple Video Amplifier with Separate Enable Inputs	RGB	RGB	7.1,7.1,7.1,7.3	3	No	No	SO-16	Tube
RC6333M RC6333MT	Triple Video Amplifier	RGB	RGB	7.1,7.1,7.1,7.4 7.1,7.1,7.1,7.5	3	No	No	SO-14	Tube TnR
RC6334M RC6334MT	Quad Video Amplifier	RGB	RGB	7.1,7.1,7.1,7.6 7.1,7.1,7.1,7.7	4	No	No	SO-14	Tube TnR

*Product In Development: Consult Factory

Application Specific ICs

Video ICs — Decoders and Genlocks

Part Number	Description	Analog or Digital Input	Digital Input Resolution bits	Digital Output Resolution bits	Input Format	Output Format	Digital Clock Rate MHz	Package	Packing
TMC2072KHC	Genlocking Video Digitizer	Analog		8	NTSC/PAL	NTSC/PAL	12.27,13.5,14.75,15,24.54,27,29.5,30	MQFP-100	Tray
TMC22051AKHC	Multistandard Digital Video Decoder	Digital	8	8	CCIR-601/D1/D2/CVBS/YC	CCIR-601/D1/RGB/YUV/YCBCR	12.27,13.5,14.32,14.75,15,17.73,27	MQFP-100	Tray
TMC22052AKHC	Multistandard Digital Video Decoder	Digital	8	8	CCIR-601/D1/D2/CVBS/YC	CCIR-601/D1/RGB/YUV/YCBCR	12.27,13.5,14.32,14.75,15,17.73,27	MQFP-100	Tray
TMC22053AKHC	Multistandard Digital Video Decoder	Digital	8	8	CCIR-601/D1/D2/CVBS/YC	CCIR-601/D1/RGB/YUV/YCBCR	12.27,13.5,14.32,14.75,15,17.73,27	MQFP-100	Tray
TMC22071AKHC	Genlocking Video Digitizer	Analog		8	NTSC/PAL	NTSC/PAL	12.27,13.5,14.75,15,24.54,27,29.5,30	MQFP-100	Tray
TMC22071AR1C	Genlocking Video Digitizer	Analog						PLCC-68	Tube
TMC22151AKHC	Multistandard Digital Video Decoder	Digital	10	10	CCIR-601/D1/D2/CVBS/YC	CCIR-601/D1/RGB/YUV/YCBCR	12.27,13.5,14.32,14.75,15,17.73,27	MQFP-100	Tray
TMC22152AKHC	Multistandard Digital Video Decoder	Digital	10	10	CCIR-601/D1/D2/CVBS/YC	D1/RGB/YUV/YCBCR	12.27,13.5,14.32,14.75,15,17.73,27	MQFP-100	Tray
TMC22153AKHC	Multistandard Digital Video Decoder	Digital	10	10	CCIR-601/D1/D2/CVBS/YC	CCIR-601/D1/RGB/YUV/YCBCR	12.27,13.5,14.32,14.75,15,17.73,27	MQFP-100	Tray

What goes in the bits column for

TMC22071AKHC

TMC22071AR1C

Video ICs — Digital Video Filters and Mixers

Part Number	Description	Bits In	Bits Out	# of Taps	Freq MHz	Decimation	Interpolation	Package	Packing
TMC2242AKTC	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	30	Yes	Yes	MQFP-44	Tray
TMC2242AR2C	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	30	Yes	Yes	PLCC-44	Tube
TMC2242AKTC1	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	40	Yes	Yes	MQFP-44	Tray
TMC2242AR2C1	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	40	Yes	Yes	PLCC-44	Tube
TMC2242AKTC2	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	60	Yes	Yes	MQFP-44	Tray
TMC2242AR2C2	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	60	Yes	Yes	PLCC-44	Tube
TMC2242BKTC	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	30	Yes	Yes	MQFP-44	Tray
TMC2242BR2C	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	30	Yes	Yes	PLCC-44	Tube
TMC2242BKTC1	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	40	Yes	Yes	MQFP-44	Tray
TMC2242BR2C1	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	40	Yes	Yes	PLCC-44	Tube
TMC2242BKTC2	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	60	Yes	Yes	MQFP-44	Tray
TMC2242BR2C2	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	60	Yes	Yes	PLCC-44	Tube
TMC2242CKTC	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	40	Yes	Yes	MQFP-44	Tray
TMC2242CR2C	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	40	Yes	Yes	PLCC-44	Tube
TMC2242CKTC1	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	60	Yes	Yes	MQFP-44	Tray
TMC2242CR2C1	Digital Half-Band Interpolating/Decimating Filter 12-bit In/16-bit Out 60MHz	12	16	55	60	Yes	Yes	PLCC-44	Tube
TMC2246AH5C	Image Filter	11-Oct	16	4	30	No	Yes	PGA-120	Tube
TMC2246AH6C	Image Filter	12-Oct	16	4	30	No	Yes	MQFP-120 to PGA	Tube
TMC2246AKEC	Image Filter	13-Oct	16	4	30	No	Yes	MQFP-120	Tray
TMC2246AH5C1	Image Filter	11-Oct	16	4	40	No	Yes	PGA-120	Tube
TMC2246AH6C1	Image Filter	12-Oct	16	4	40	No	Yes	MQFP-120 to PGA	Tube
TMC2246AKEC1	Image Filter	13-Oct	16	4	40	No	Yes	MQFP-120	Tray
TMC2246AH5C2	Image Filter	11-Oct	16	4	60	No	Yes	PGA-120	Tube
TMC2246AH6C2	Image Filter	12-Oct	16	4	60	No	Yes	MQFP-120 to PGA	Tube
TMC2246AKEC2	Image Filter	13-Oct	16	4	60	No	Yes	MQFP-120	Tray
TMC2249AH5C	Digital Mixer	12	16	32	25	No	No	PGA-120	Tube

Application Specific ICs

Video ICs — Digital Video Filters and Mixers (Continued)

Part Number	Description	Bits In	Bits Out	# of Taps	Freq MHz	Decimation	Interpolation	Package	Packing
TMC2249AH6C	Digital Mixer	12	16	32	25	No	No	MQFP-120 to PGA	Tube
TMC2249AKEC	Digital Mixer	12	16	32	25	No	No	MQFP-120	Tray
TMC2249AH5C1	Digital Mixer	12	16	32	40	No	No	PGA-120	Tube
TMC2249AH6C1	Digital Mixer	12	16	32	40	No	No	MQFP-120 to PGA	Tube
TMC2249AKEC1	Digital Mixer	12	16	32	40	No	No	MQFP-120	Tray
TMC2249AH5C2	Digital Mixer	12	16	32	60	No	No	PGA-120	Tube
TMC2249AH6C2	Digital Mixer	12	16	32	60	No	No	MQFP-120 to PGA	Tube
TMC2249AKEC2	Digital Mixer	12	16	32	60	No	No	MQFP-120	Tray
TMC2250AH5C	Matrix Multiplier	36	36	9	30	No	No	PGA-120	Tube
TMC2250AH6C	Matrix Multiplier	36	36	9	30	No	No	MQFP-120 to PGA	Tube
TMC2250AKEC	Matrix Multiplier	36	36	9	30	No	No	MQFP-120	Tray
TMC2250AH5C2	Matrix Multiplier	36	36	9	40	No	No	PGA-120	Tube
TMC2250AH6C2	Matrix Multiplier	36	36	9	40	No	No	MQFP-120 to PGA	Tube
TMC2250AKEC2	Matrix Multiplier	36	36	9	40	No	No	MQFP-120	Tray
TMC2250AH5C3	Matrix Multiplier	36	36	9	50	No	No	PGA-120	Tube
TMC2250AH6C3	Matrix Multiplier	36	36	9	50	No	No	MQFP-120 to PGA	Tube
TMC2250AKEC3	Matrix Multiplier	36	36	9	50	No	No	MQFP-120	Tray
TMC2272AH5C	Digital Colorspace Converter	36	36	9	30	No	No	PGA-120	Tube
TMC2272AH6C	Digital Colorspace Converter	36	36	9	30	No	No	MQFP-120 to PGA	Tube
TMC2272AKEC	Digital Colorspace Converter	36	36	9	30	No	No	MQFP-120	Tray
TMC2272AH5C2	Digital Colorspace Converter	36	36	9	40	No	No	PGA-120	Tube
TMC2272AH6C2	Digital Colorspace Converter	36	36	9	40	No	No	MQFP-120 to PGA	Tube
TMC2272AKEC2	Digital Colorspace Converter	36	36	9	40	No	No	MQFP-120	Tray
TMC2272AH5C3	Digital Colorspace Converter	36	36	9	50	No	No	PGA-120	Tube
TMC2272AH6C3	Digital Colorspace Converter	36	36	9	50	No	No	MQFP-120 to PGA	Tube
TMC2272AKEC3	Digital Colorspace Converter	36	36	9	50	No	No	MQFP-120	Tray

Application Specific ICs

Video ICs — Digital Video Memories

Part Number	Description	Bits In	Bits Out	Length	Frequency MHz	Package	Note
TMC2011AN2C	Variable-Length Shift Register	8	8	18	30	DIP-24	Tube
TMC2011AR3C	Variable-Length Shift Register	8	8	18	30	PLCC-28	Tube
TMC2011AN2C1	Variable-Length Shift Register	8	8	18	40	DIP-24	Tube
TMC2011AR3C1	Variable-Length Shift Register	8	8	18	40	PLCC-28	Tube
TMC2111AN2C	Variable-Length Shift Register	8	8	16	30	DIP-24	Tube
TMC2111AR3C	Variable-Length Shift Register	8	8	16	30	PLCC-28	Tube
TMC2111AN2C1	Variable-Length Shift Register	8	8	16	40	DIP-24	Tube
TMC2111AR3C1	Variable-Length Shift Register	8	8	16	40	PLCC-28	Tube

Video ICs — Digital Video Processors

Part Number	Description	Clock Rate MHz	Bits In	Bits Out	Input Formats	Output Formats	Package	Packing
TMC2081KBC	Digital Video Mixer	40	24	24	Digital RGB/YCbCr 4:4:4/YCbCr 4:2:2	Digital RGB/YCbCr 4:4:4/YCbCr 4:2:2	MQFP-128	Tray
TMC2302AH5C	Image Manipulation Sequencer	30	16	24	N/A	N/A	PGA-120	Tube
TMC2302AKEC	Image Manipulation Sequencer	30	16	24	N/A	N/A	MQFP-120	Tray
TMC2302AH5C1	Image Manipulation Sequencer	40	16	24	N/A	N/A	PGA-120	Tube
TMC2302AKEC1	Image Manipulation Sequencer	40	16	24	N/A	N/A	MQFP-120	Tray
TMC2330AH5C	Coordinate Transformer	20	16,32	16,32	Rectangular/Polar	Polar/Rectangular	PGA-120	Tube
TMC2330AH6C	Coordinate Transformer	20	16,32	16,32	Rectangular/Polar	Polar/Rectangular	MQFP-120 to PGA	Tube
TMC2330AKEC	Coordinate Transformer	20	16,32	16,32	Rectangular/Polar	Polar/Rectangular	MQFP-120	Tray
TMC2330AH5C1	Coordinate Transformer	40	16,32	16,32	Rectangular/Polar	Polar/Rectangular	PGA-120	Tube
TMC2330AH6C1	Coordinate Transformer	40	16,32	16,32	Rectangular/Polar	Polar/Rectangular	MQFP-120 to PGA	Tube
TMC2330AKEC1	Coordinate Transformer	40	16,32	16,32	Rectangular/Polar	Polar/Rectangular	MQFP-120	Tray
TMC2340AH5C	Digital Synthesizer	20	16,32	16	N/A	N/A	PGA-120	Tube
TMC2340AKEC	Digital Synthesizer	20	16,33	17	N/A	N/A	MQFP-120	Tray
TMC2340AH5C1	Digital Synthesizer	40	16,32	16	N/A	N/A	PGA-120	Tube
TMC2340AKEC1	Digital Synthesizer	40	16,33	17	N/A	N/A	MQFP-120	Tray
TMC2340AH5C2	Digital Synthesizer	50	16,32	16	N/A	N/A	PGA-120	Tube
TMC2340AKEC2	Digital Synthesizer	50	16,33	17	N/A	N/A	MQFP-120	Tray
TMC3211H5C	Integer Divider	20	16,32	16,32	N/A	N/A	PGA-120	Tube

Application Specific ICs

Video ICs — Encoders

Part Number	Description	Input Format	Output Format	# DACs	Macro-vision Capable	MPEG Interface	Component (YUV or RGB)	Broadcast Formats (D1)	CCIR-601 Compatible	Sin x/x Filters	Serial D1 (SMPTE259) Compatible	Jitter pSec	Package	Packing
TMC2192KHC	10 Bit Encoder	CCIR601, CCIR656, Digital Composite	YC, Composite, Digital Composite	3	No	Yes	No	Yes	Yes	Yes	No	N/A	MQFP-100	Tray
TMC2193KJC	10 Bit Encoder	RGB, CCIR601, CCIR656, Digital Composite	YPbPr, Betacam, YC, Composite, Digital Composite	4	No	Yes	Yes	Yes	Yes	Yes	No	N/A	MQFP-100	Tray
TMC22091KHC	Digital Video Encoders/Layering Engine	YCrCb, GBR, RGB, Color indexed, CCIR601	YC, Composite, NTSC, PAL	3	No	No	Yes	Yes	Yes	Yes	No	N/A	MQFP-100	Tray
TMC22091ROC	Digital Video Encoders/Layering Engine	YCrCb, GBR, RGB, Color indexed, CCIR601	YC, Composite, NTSC, PAL	3	No	No	Yes	Yes	Yes	Yes	No	N/A	PLCC-84	Tube
TMC22191KHC	Digital Video Encoders/Layering Engine	YCrCb, GBR, RGB, Color indexed, CCIR601	YC, Composite, NTSC, PAL	3	No	No	Yes	Yes	Yes	Yes	No	N/A	MQFP-100	Tray
TMC22191ROC	Digital Video Encoders/Layering Engine	YCrCb, GBR, RGB, Color indexed, CCIR601	YC, Composite, NTSC, PAL	3	No	No	Yes	Yes	Yes	Yes	No	N/A	PLCC-84	Tube
TMC2490AR2C	Multistandard Digital Video Encoder	CCIR601, CCIR656, YCrCb	YC, Composite, NTSC, PAL	3	No	Yes	No	No	Yes	Yes	No	N/A	PLCC-44	Tube
TMC2491AR2C	Multistandard Digital Video Encoder	CCIR601, CCIR656, YCrCb	YC, Composite, NTSC, PAL	3	Yes	Yes	No	No	Yes	Yes	No	N/A	PLCC-44	Tube
TMC2601R2C	Digital Video Serial Transmission Encoder 8- or 10-Bit Parallel Data into Serial Format 140-370 MHz Output Freq	SMPTE125M, SMPTE244M, CCIR656	pseudo-ECL, Serial D1, SMPTE259, SMPTE259M	0	No	Yes	No	Yes	Yes	No	Yes	500	PLCC-44	Tube

Video ICs — Video Demo Boards

Part Number	Description	Product	Clock Rate MHz	Bits In	Bits Out	Input Formats	Output Formats
TMB2193MS100	Demonstration Board for the TMC2193	TMC2193 Video Encoder	27	10, 20, 24	N/A	Digital RGB/Digital YUV/YCbCr 4:4:4/YCbCr 4:2:2/D1	Analog RGB/Analog Composite/Analog S-Video/Analog Component/NTSC/PAL
TMB22153AMS101	Demonstration Board for the TMC22x5yA	TMC22153 Video Decoder	27	N/A	10, 20, 30	Composite/S-Video/NTSC/PAL	Digital RGB/YCbCr 4:4:4/YCbCr 4:2:2/D1/NTSC/PAL
TMC2069P7C	Demonstration Board for the TMC3003 DAC	TMC3003 10-bit Triple DAC	80	30	N/A	Digital RGB/Digital YUV	Analog RGB/Analog YUV
TMC2074P7C	Demonstration Board for the TMC2490[1]A	TMC2490A/2491A Video Encoder	27	24	N/A	D1/YCbCr 4:4:4/YCbCr 4:2:2	Analog Composite/Analog S-Video/NTSC/PAL
ML6415DEMO	Demonstration Board for the ML6415	ML6415 S-Video Filter	7.1	N/A	N/A	Analog Composite/Analog S-Video/NTSC/PAL	Analog Composite/Analog S-Video/NTSC/PAL
ML6416DEMO	Demonstration Board for the ML6416	ML6416 S-Video Filter	7.1	N/A	N/A	Analog Composite/Analog S-Video/NTSC/PAL	Analog Composite/Analog S-Video/NTSC/PAL
ML6426DEMO	Demonstration Board for the ML6426	ML6426 Triple Video Filter	6.7, 12, 15, 24, 30, 36, 48	N/A	N/A	Analog RGB/Analog Composite/Analog S-Video/Analog Component/NTSC/PAL	Analog RGB/Analog Composite/Analog S-Video/Analog Component/NTSC/PAL
ML6427DEMO	Demonstration Board for the ML6427	ML6427 Quad Video Filter	7.1	N/A	N/A	Analog RGB/Analog Composite/Analog S-Video/Analog Component/NTSC/PAL	Analog RGB/Analog Composite/Analog S-Video/Analog Component/NTSC/PAL
ML6428DEMO	Demonstration Board for the ML6428	ML6428 S-Video Filter	6.7	N/A	N/A	Analog Composite/Analog S-Video/NTSC/PAL	Analog Composite/Analog S-Video/NTSC/PAL
ML6429DEMO	Demonstration Board for the ML6429	ML6429 Quad Video Filter	7.1	N/A	N/A	Analog RGB/Analog Composite/Analog S-Video/Analog Component/NTSC/PAL	Analog RGB/Analog Composite/Analog S-Video/Analog Component/NTSC/PAL

Special Function ICs

Integrated QAM IF Downconverter

Part Number	Description	Package	Packing
RC2798G	Integrated QAM IF Downconverter	TSSOP-20	Tube
RC2798GT	Integrated QAM IF Downconverter	TSSOP-20	TnR

Vertical Output IC

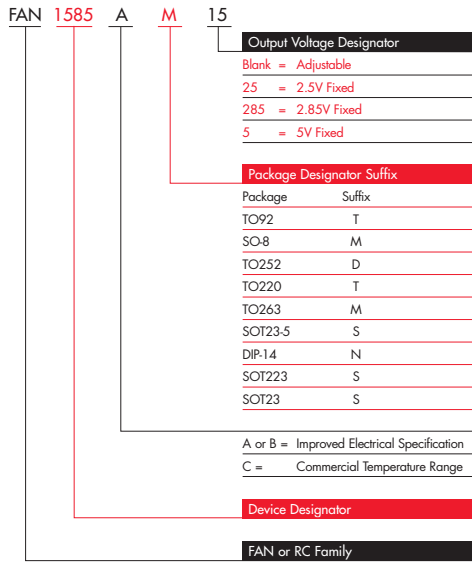
Part Number	Description	Package	Packing
KA2142C	Vertical output IC	SIPH-10	Tube

Voltage Stabilizer

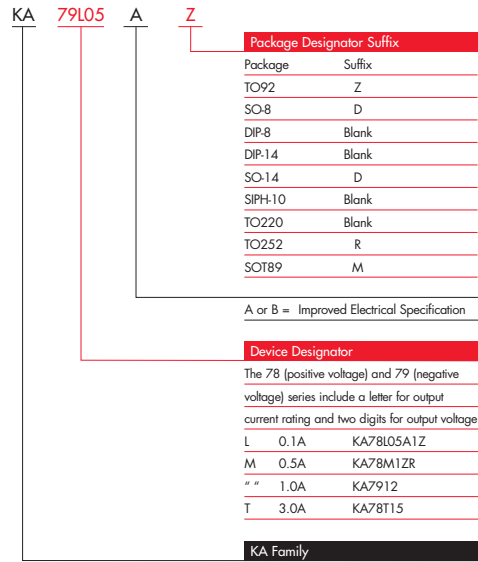
Part Number	Description	Package	Packing
KA33VBU	Voltage Stabilizer	TO92	Bulk

Ordering Information

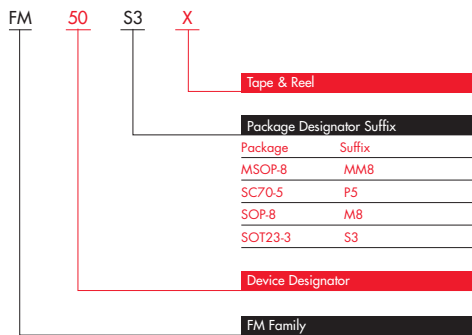
RC and FAN Series



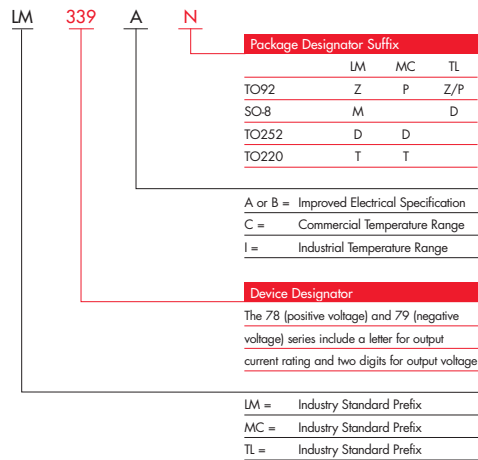
KA Series



FM Series

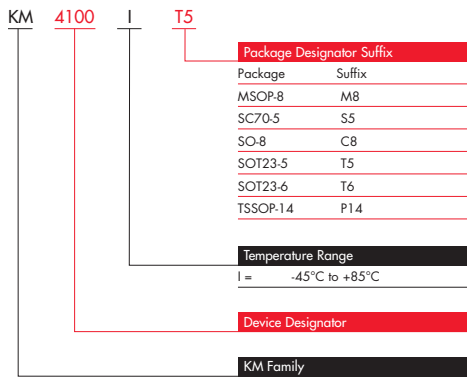


Industry Standards Series

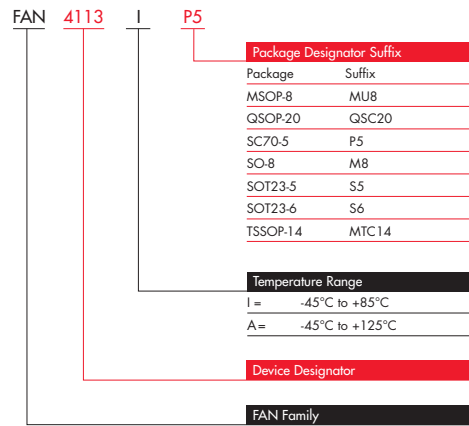


Ordering Information

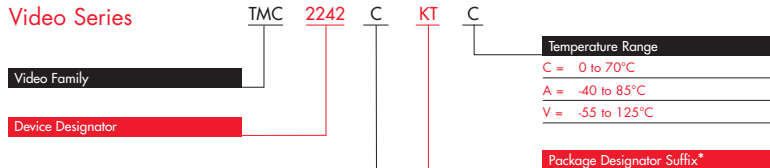
KM Series



FAN4000 – FAN4499 Series



Video Series



A,B,C = Improved Electrical Specification

Package Designator Suffix*

Package	Suffix	Package	Suffix
B2	24-lead CerDIP	KT	44-lead Metric QFP
C3	28-lead LCC	L1	68-lead LCC
G1	121-lead PGA	L5	132-lead LCC
G8	69-lead PGA	M7	24-lead SOIC
H5	121-lead Plastic PGA	N2	24-lead PDIP
H8	69-lead Plastic PGA	N6	28-lead PDIP
KB	128-lead Metric QFP	Q1	24-lead TSSOP
KC	128-lead Metric QFP with heatsink	QS	24-lead QSOP
KH	100-lead Metric QFP	R0	84-lead PLCC
KJ	100-lead Metric QFP with heatsink	R1	68-lead PLCC
KL	80-lead Metric QFP	R2	44-lead PLCC
KP	64-lead Metric QFP, 2mm pitch	R3	28-lead PLCC
KR	48-lead Leaded QFP	R6	32-lead PLCC

*Partial listing only, representing the most frequently requested packages. For Tape & Reel option, add "T" to the end of P/N

Notes

Notes

Notes

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