

FAIRCHILD Voltage Regulators



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

DC/DC CONVERTERS

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Type	Output Current (A)	Voltage Input (Min.) (V)	Voltage Input (Max.) (V)	Frequency Range (KHz)	Modulation	PWM Outputs	Price Each			
										1	25	100	250
◆ 512-FAN5331SX	FAN5331SX	SOT-23-5	Async Boost	0.05	2.7	5.5	1600	PFM	Adj.	1.03	.81	.729	.634
◆ 512-FAN4860UMP5X	FAN4860UMP5X	UMLP-6	Sync TinyBoost™	0.3	2.3	4.5	3000	-	-	.87	.72	.58	.435
◆ 512-FAN4860UC33X	FAN4860UC33X	WLCSP-6	Sync TinyBoost™	0.3	2.3	4.5	3000	-	-	.87	.73	.58	.44
◆ 512-FAN5403UCX	FAN5403UCX	WLCSP-20	Switching Charger/Boost	0.3	4	6	3000	-	-	1.80	1.44	1.08	1.00
◆ 512-FAN5404UCX	FAN5404UCX	WLCSP-20	Switching Charger/Boost	0.3	4	6	3000	-	-	1.80	1.44	1.08	1.00
◆ 512-FAN5405UCX	FAN5405UCX	WLCSP-20	Switching Charger/Boost	0.3	4	6	3000	-	-	1.80	1.44	1.08	1.00
◆ 512-FAN5362UC29X	FAN5362UC29X	WL-CSP-6	Integrated Sync Buck	0.5	2.7	5.5	3000	-	-	.93	.78	.62	.47
◆ 512-FAN4860UC33X	FAN4860UC33X	WL-CSP-6	Sync Boost	0.3	2.3	4.5	3000	-	-	.87	.73	.58	.44
◆ 512-FAN5362UMP29X	FAN5362UMP29X	UMLP-6	Integrated Sync Buck	0.5	2.7	5.5	3000	-	-	.93	.78	.62	.47
◆ 512-FAN5362UMP33X	FAN5362UMP33X	UMLP-6	Integrated Sync Buck	0.5	2.7	5.5	3000	-	-	.87	.73	.58	.44
◆ 512-FAN4603MM10X	FAN4603MM10X	MLP-6	Integrated Sync Buck	0.6	2.3	5.5	6000	-	-	2.38	1.90	1.43	1.33
◆ 512-FAN4603MM12X	FAN4603MM12X	MLP-6	Integrated Sync Buck	0.6	2.3	5.5	6000	-	-	2.38	1.90	1.43	1.33
◆ 512-FAN4603MM13X	FAN4603MM13X	MLP-6	Integrated Sync Buck	0.6	2.3	5.5	6000	-	-	2.38	1.90	1.43	1.33
◆ 512-FAN4603MM15X	FAN4603MM15X	MLP-6	Integrated Sync Buck	0.6	2.3	5.5	6000	-	-	2.38	1.90	1.43	1.33
◆ 512-FAN4603MM18X	FAN4603MM18X	MLP-6	Integrated Sync Buck	0.6	2.3	5.5	6000	-	-	2.25	1.80	1.40	1.33
◆ 512-FAN5361UC123X	FAN5361UC123X	WL-CSP-6	Integrated Sync Buck	0.6	2.3	5.5	6000	-	-	1.44	1.12	1.02	.882
◆ 512-FAN5361UMP182X	FAN5361UMP182X	UMLP-6	Integrated Sync Buck	0.6	2.3	5.5	6000	-	-	.87	.73	.637	.593
◆ 512-FAN5333ASX	FAN5333ASX	SOT-23-5	Async Boost	0.75	1.8	5.5	1600	PFM	Adj.	1.54	1.23	1.06	.938
◆ 512-FAN2001MPX	FAN2001MPX	MLP-6	Integrated Sync Buck	1	2.5	5.5	1300	PFM/PWM	Adj.	1.86	1.43	1.29	1.16
◆ 512-FAN2002MPX	FAN2002MPX	MLP-6	Integrated Sync Buck	1	2.5	5.5	1300	PFM/PWM	Adj.	1.86	1.43	1.29	1.16
◆ 512-FAN2011EMPX	FAN2011EMPX	MLP-6	Integrated Sync Buck	1.5	4.5	5.5	1300	PWM	Adj.	1.56	1.39	1.23	1.10
◆ 512-FAN2012EMPX	FAN2012EMPX	MLP-6	Integrated Sync Buck	1.5	4.5	5.5	1300	PWM	Adj.	1.56	1.39	1.23	1.10
◆ 512-FAN8301MX	FAN8301MX	SOIC-8	Intgrd. Non-Sync Buck	2	4.75	16	370	Curr Mode	Yes	1.67	1.32	1.19	1.02
◆ 512-FAN8303MX	FAN8303MX	SOIC-8	Intgrd. Non-Sync Buck	2	5	23	370	Curr Mode	Yes	1.67	1.32	1.19	1.02
◆ 512-FAN5904UC00X	FAN5904UC00X	WLCSP-16	Multi-Mode Buck	2.3	2.7	5.5	6000	PFM	-	1.44	1.20	.96	.72
◆ 512-FAN5904UC01X	FAN5904UC01X	WLCSP-16	Multi-Mode Buck	2.3	2.7	5.5	6000	PFM	-	1.44	1.20	.96	.72
◆ 512-FAN5353MPX	FAN5353MPX	MLP-12	Integrated Sync Buck	3	2.7	5.5	3000	-	-	1.74	1.49	1.19	1.03
◆ 512-FAN5354MPX	FAN5354MPX	MLP-12	Integrated Sync Buck	3	2.7	5.5	3000	-	-	1.41	1.17	.94	.71
◆ 512-FAN2103EMPX	FAN2103EMPX	MLP-25	Integrated Sync Buck	3	3	24	200-600	PWM	1	2.32	2.10	1.89	1.46
◆ 512-FAN2103MPX	FAN2103MPX	MLP-25	Integrated Sync Buck	3	3	24	200-600	PWM	1	1.88	1.71	1.56	1.44
◆ 512-FAN53540UCX	FAN53540UCX	WLCSP-20	Sync TinyBoost™	5	2.7	5.5	2400	PFM	-	2.08	1.66	1.25	1.16
◆ 512-FAN54013UCX	FAN54013UCX	WLCSP-20	Switching Charger/Boost	5.5	4	6	3000	Curr. Mode	-	1.90	1.52	1.14	1.06
◆ 512-FAN21SV06MPX	FAN21SV06MPX	MLP-25	Integrated Sync Buck	6	6.5	24	200-600	PWM	1	3.33	2.56	2.32	2.09
◆ 512-FAN2108EMPX	FAN2108EMPX	MLP-25 5x6	Integrated Sync Buck	8	3	24	200-600	PWM	1	3.81	3.11	2.79	1.75
◆ 512-FAN2108MPX	FAN2108MPX	MLP-25	Integrated Sync Buck	8	3	24	200-600	PWM	1	3.60	2.94	2.64	2.40

DC MOTOR CONTROLLER

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Control	Supply Voltage (V)	Protection				Speed Feedback Loop	Price Each			
					Overvolt	Over Current	Over Temp	Short Circuit		1	25	100	250
◆ 512-FCM8202QY	FCM8202QY	LQFP-32	Sinusoidal & Trapezoidal	10.0-17.5	1	3	1	No	No	2.50	2.00	1.56	1.48

EVALUATION BOARDS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Description	Price Each
512-FEBFAN6754WAMR	FEBFAN6754WAMR_CP450V1	FAN6754WAMR, FAN6204MY, Notebook Adapter for Flyback Converter, 65W	171.20
512-FEBFAN6756MR	FEBFAN6756MR_T03U065A	FAN6756, Notebook Adapter for Flyback Converter, 65W	137.50
512-FEBFAN6208	FEBFAN6208	Evaluation board is a secondary-side synchronous rectifier supporting FAN6208	37.50
512-FEBFAN9611	FEBFAN9611_S01U300A	FAN9611, 300W Interleaved Dual-BCM, Low-Profile, PFC Eval Board	187.50
512-FEBFSB127H	FEBFSB127H	Evaluation board is a 16W for ATX standby using FSB127H	93.75
512-FEBFSFR2100	FEBFSFR2100_D015v1	Evaluation Board using the F5FR2100 PWM controller	156.25
512-FEBFSL126MR	FEBFSL126MR_H432V1	Auxiliary Power Supply, 13.8W	68.75
512-FEBFSL206MRN	FEBFSL206MRN_H428V1	Auxiliary Power Supply, 5W	53.75
512-FEBFSEZ1317WA	FEBFSEZ1317WA_CH310V3	Mobile Phone Battery Charger, 5V/0.7A	57.30
512-FEBFSQ500L	FEBFSQ500L_H257V1	Compact Auxiliary Power Supply, 2W	42.50

GROUND FAULT INTERRUPTERS

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Line Voltage		Supports UL493	Output SCR Trigger Voltage	Trigger Output Current	Response Time (ms)	Sense Transformer	Operating Temp. Range (°C)	Price Each			
			(Min.) (V)	(Max.) (V)							1	25	100	250
◆ 512-FAN4147SX	FAN4147SX	SSOT-6	110	240	UL943B	2.5V	500µA	1	1	0 to +70	1.05	.88	.70	.53
◆ 512-FAN4146ESX	FAN4146ESX	SSOT-6	110	240	UL943B	2.5V	500µA	1	1	-25 to +80	1.05	.88	.70	.53

GENERAL PURPOSE VOLTAGE REGULATORS



Surface Mount Device

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MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Outputs	Output Level	Output Voltage (Typ.) (V)	Input Voltage (Max.) (V)	ADJ Output Voltage		Output Current (Typ.) (A)	Voltage Drop (Max.) (V)	Price Each			
							(Min.) (V)	(Max.) (V)			1	25	100	250
512-LM79M05CT	LM79M05CT	TO-220	1	Negative	5	30	5	24	0.002	1.7	.67	.50	.424	.368
◆ 512-KA79L05AMTF	KA79L05AMTF	SOT-89-3	1	Negative	5	30	5	24	0.1	1.7	.41	.29	.254	.213
512-KA79L05AZTA	KA79L05AZTA	TO-92R	1	Negative	5	30	-	-	0.1	1.7	.34	.28	.223	.16
512-LM79L05ACZ	LM79L05ACZ	TO-92R	1	Negative	5	40	5	24	0.1	1.7	.20	.171	.153	.122
◆ 512-KA79M05RTF	KA79M05RTF	TO-252	1	Negative	5	35	5	24	0.5	2	.57	.47	.423	.337
512-LM7905CT	LM7905CT	TO-220	1	Negative	5	35	-	-	1	2	.60	.465	.405	.353
◆ 512-MC79L05ACHX	MC79L05ACHX	SOT-89-3	1	Negative	5	30	5	24	1	1.7	.41	.29	.254	.213
512-MC79L05ACP	MC79L05ACP	TO-92R	1	Negative	5	30	5	24	1	1.7	.39	.32	.251	.183
512-KA7906TU	KA7906TU	TO-220	1	Negative	6	35	-	-	1	2	.63	.61	.588	.423
◆ 512-FAN4010L6X_F113	FAN4010L6X_F113	MLP-6	1	-	6.3	6.3	0	6.3	0.000009	-	.70	.619	.541	.469
512-KA7908TU	KA7908TU	TO-220	1	Negative	8	35	-	-	1	2	.63	.56	.488	.423
512-LM7908CT	LM7908CT	TO-220	1	Negative	8	35	-	-	1	2	.61	.475	.413	.36
512-KA7909TU	KA7909TU	TO-220	1	Negative	9	35	5	24	0.003	2	.63	.56	.488	.423
512-LM7910CT	LM7910CT	TO-220	1	Negative	10	35	-	-	1	2	.34	.31	.25	.244
512-KA7912TU	KA7912TU	TO-220	1	Negative	12	35	5	24	0.003	2	.61	.47	.467	.41
512-KA7912ATU	KA7912ATU	TO-220	1	Negative	12	35	-	-	1	2	.67	.52	.453	.394
512-LM7912CT	LM7912CT	TO-220	1	Negative	12	35	-	-	1	2	.61	.475	.413	.36
512-KA7915TU	KA7915TU	TO-220	1	Negative	15	35	5	24	0.003	2	.55	.47	.359	.264
512-LM7915CT	LM7915CT	TO-220	1	Negative	15	35	-	-	1	2	.60	.468	.408	.355
512-KA7918TU	KA7918TU	TO-220	1	Negative	18	35	-	-	1	2	.63	.56	.488	.423
512-KA7924TU	KA7924TU	TO-220	1	Negative	24	35	5	24	1	2	.63	.56	.488	.423
512-LM337T	LM337T	TO-220	1	Negative	ADJ	40	1.2	37	1.5	3	.69	.54	.467	.406
512-KA78L05AZBU	KA78L05AZBU	TO-92R	1	Positive	5	30	5	24	0.002	1.7	.42	.33	.245	.173
512-KA78L05AAZTA	KA78L05AAZTA	TO-92R	1	Positive	5	30	5	24	0.1	1.7	.35	.18	.17	.118
◆ 512-KA78L05ADTF	KA78L05ADTF	SOIC-8	1	Positive	5	30	5	24	0.1	1.7	.46	.31	.248	.203
◆ 512-KA78L05AMTF	KA78L05AMTF	SOT-89	1	Positive	5	30	5	24	0.1	1.7	.29	.264	.255	.214
512-KA78L05AZTA	KA78L05AZTA	TO-92R	1	Positive	5	30	5	24	0.1	1.7	.48	.35	.228	.164
512-LM78L05ACZ	LM78L05ACZ	TO-92R	1	Positive	5	35	-	-	0.1	1.7	.48			