

FAIRCHILD Voltage References, PWMs and PFCs



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

LOW DROPOUT VOLTAGE REGULATORS (CONT.)

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Output Type	Preset Output Volt Typ. (V)	Output Current (A)	Dropout Voltage (@Iout) (V)	Input Voltage (Min.) (V)	Input Voltage (Max.) (V)	Operating Temp. (°C)	Output Disable Function	Price Each			
											1	25	100	250
◆ 512-LP2951CM	LP2951CM	SOIC-8	Single	ADJ	0.1	0.6	2.5	30	-40 to 125	No	.60	.444	.381	.33
◆ 512-LP2951CMX	LP2951CMX	SOIC-8	Single	ADJ	0.1	0.6	-	30	-40 to 125	No	.66	.461	.395	.341
◆ 512-FAN2558MPX	FAN2558MPX	MLP-6	Single	ADJ	0.18	0.25	-	7	-40 to 125	Yes	.76	.58	.574	.504
◆ 512-FAN2558S10X	FAN2558S10X	SOT-23	Single	ADJ	0.18	0.25	-	7	-40 to 125	Yes	.68	.53	.47	.403
◆ 512-FAN2558S12X	FAN2558S12X	SOT-23-5	Single	ADJ	0.18	0.25	2.7	5.5	-40 to 125	No	.63	.519	.467	.372
◆ 512-FAN2558S18X	FAN2558S18X	SOT-23-5	Single	ADJ	0.18	0.25	2.7	5.5	-40 to 125	No	.68	.53	.47	.403
◆ 512-FAN2558S25X	FAN2558S25X	SOT-23	Single	ADJ	0.18	0.25	-	7	-40 to 125	Yes	.68	.53	.47	.403
◆ 512-FAN2558S33X	FAN2558S33X	SOT-23	Single	ADJ	0.18	0.25	-	7	-40 to 125	Yes	.68	.53	.47	.403
◆ 512-FAN2558S35X	FAN2558S35X	SOT-23-5	Single	ADJ	0.18	0.25	2.7	5.5	-40 to 125	No	.68	.53	.47	.403
◆ 512-FAN2558SX	FAN2558SX	SOT-23-6	Single	ADJ	0.18	0.25	2.7	5.5	-40 to 125	No	.63	.519	.467	.372
◆ 512-FAN2564UMP12X	FAN2564UMP12X	UMLP-6	Single	ADJ	0.3	0.1	1.65	3.6	-40 to 85	Yes	1.08	.83	.823	.725
◆ 512-FAN2564UMP18X	FAN2564UMP18X	UMLP-6	Single	ADJ	0.3	0.1	1.65	3.6	-40 to 85	Yes	1.18	.92	.842	.725

SHUNT VOLTAGE REFERENCES



Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Preset Output Voltage (V)	Adj. Output Voltage (Min.) (V)	Adj. Output Voltage (Max.) (V)	Tolerance (%)	Max. Current (mA)	Price Each				Packaging	Qty.	Price Per Piece
								1	25	100	250			
◆ 512-LM431SACM32X	LM431SACM32X	SOT-23	ADJ	0.2	36.0	2	100	.14	.108	.095	.081	Tape and Reel	12000	.036
◆ 512-LM431SBCM32X	LM431SBCM32X	SOT-23	ADJ	0.2	36.0	1	100	.16	.124	.108	.093	Tape and Reel	12000	.041
◆ 512-LM431SCCM32X	LM431SCCM32X	SOT-23	ADJ	0.2	36.0	0.5	100	.16	.126	.11	.094	Tape and Reel	12000	.041
512-LM336Z25X	LM336Z25X	TO-92R	2.5	2.5	37.0	2	15	.25	.218	.201	.182	Tape and Reel	2000	.101
512-LM336Z5X	LM336Z5X	TO-92R	ADJ	4	6.0	4	15	.22	.209	.178	.141	-	-	-
512-LM336Z5X	LM336Z5X	TO-92R	5	4	6.0	4	15	.39	.32	.251	.183	Tape and Reel	2000	.101
◆ 512-LM431CCMX	LM431CCMX	SOIC-8	ADJ	2.5	37.0	0.5	100	.43	.37	.312	.27	Tape and Reel	3000	.146
512-LM431CCZ	LM431CCZ	TO-92R	ADJ	2.5	37.0	0.5	100	.49	.27	.209	.148	-	-	-
512-KA431LZTA	KA431LZTA	TO-92R	ADJ	2.5	37.0	0.5	100	.20	.18	.151	.123	Ammo	2000	.07
◆ 512-LM431SCCMFX	LM431SCCMFX	SOT-23	ADJ	2.5	37.0	0.5	100	.17	.14	.136	.125	Tape and Reel	3000	.071
512-KA431AZBU	KA431AZBU	TO-92R	ADJ	2.5	37.0	1	100	.46	.32	.192	.135	-	-	-
◆ 512-LM431BCMX	LM431BCMX	SOIC-8	ADJ	2.5	37.0	1	100	.43	.37	.312	.27	Tape and Reel	3000	.146
◆ 512-LM431SBCMFX	LM431SBCMFX	SOT-23	ADJ	2.5	37.0	1	100	.15	.14	.124	.114	Tape and Reel	3000	.064
512-LM431BIZX	LM431BIZX	TO-92R	ADJ	2.5	37.0	1	100	.48	.35	.226	.162	Tape and Reel	2000	.081
512-FAN431LZXA	FAN431LZXA	TO-92R	ADJ	2.5	37.0	2	100	.31	.196	.14	.086	Ammo	2000	.055
512-KA431AZTA	KA431AZTA	TO-92R	ADJ	2.5	37.0	2	100	.14	.13	.122	.096	Ammo	2000	.064
◆ 512-KA431SAMFTF	KA431SAMFTF	SOT-23	ADJ	2.5	37.0	2	100	.21	.19	.167	.115	Tape and Reel	3000	.065
512-LM431ACZX	LM431ACZX	TO-92R	ADJ	2.5	37.0	2	100	.40	.22	.17	.119	Tape and Reel	2000	.059
512-LM431AIZ	LM431AIZ	TO-92R	ADJ	2.5	37.0	2	100	.48	.35	.226	.162	-	-	-
◆ 512-LM431SACMFX	LM431SACMFX	SOT-23	ADJ	2.5	37.0	2	100	.46	.32	.193	.137	Tape and Reel	3000	.067
◆ 512-KA431SAMF2TF	KA431SAMF2TF	SOT-23	ADJ	2.5	37.0	2	100	.46	.32	.193	.137	Tape and Reel	3000	.067

PRIMARY SIDE REGULATION (PSR) PWM CONTROLLERS

Fairchild Semiconductor's industry-leading portfolio of primary side regulation (PSR) PWM controllers offers designers of mobile chargers, adapters and LED lighting applications multiple solutions to meet the stringent power and regulatory specifications such as ENERGY STAR® Level V. Fairchild's PSR PWM controller portfolio, including the FSEZ1307, FSEZ1317 and FAN103, enhance Fairchild's extensive power offerings that enable efficient electronics and maximize energy savings in power-sensitive applications.



Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Number of Outputs	Control Mode	Switching Frequency (kHz)	Supply Voltage (Max.) (V)	Duty Ratio (%)	Startup Current (µA)	Operating Temperature	Price Each			
										1	25	100	250
◆ 512-FAN102MY	FAN102MY	SOIC-8	1	Current	45	30	75	10	-40 to 105°C	.98	.771	.693	.604
◆ 512-FSEZ1317WAMY	FSEZ1317WAMY	SOIC-7	1	Current	50	30	82	3	-40 to 105°C	1.14	.95	.76	.57
◆ 512-FL103M	FL103M	SOIC-8	1	Current	50	30	85	3	-40 to 125°C	1.08	.90	.72	.54
◆ 512-FAN103MY	FAN103MY	SOP-8	1	Current	53	30	80	5	-40 to 105°C	.88	.74	.589	.447
◆ 512-FSEZ1307MY	FSEZ1307MY	SOP-8	1	Current	53	30	80	5	-40 to 105°C	1.05	.88	.70	.53
◆ 512-FSEZ1317AMY_F116	FSEZ1317AMY_F116	SOP-7	1	Current	53	30	80	5	-40 to 105°C	1.14	.95	.76	.57
◆ 512-FSEZ1317NY	FSEZ1317NY	DIP-7	1	Current	53	30	80	5	-40 to 105°C	.79	.63	.476	.447

SECONDARY SIDE SYNCHRONOUS RECTIFICATION (SR) CONTROLLERS

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Number of Outputs	Control Mode	Supply Voltage (Max.) (V)	Rising Time (Max.) (ns)	Falling Time (Max.) (ns)	Operating Current (Type) (mA)	Operating Temperature	Price Each			
										1	25	100	250
◆ 512-FAN6204MY	FAN6204MY	SOIC-8	1	CCM/DCM/QR	30	120	100	1.1	-40 to 105°C	1.05	.857	.77	.665
◆ 512-FAN6206MY	FAN6206MY	SOIC-8	2	DCM	30	120	100	3	-40 to 105°C	.81	.68	.54	.41

PWM CONTROLLERS



Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Number of Outputs	Control Mode	Switching Frequency (kHz)	Supply Voltage (Max.) (V)	Duty Ratio (%)	Startup Current (µA)	Operating Temperature	Price Each			
										1	25	100	250
◆ 512-FAN6754WAMRMV	FAN6754WAMRMV	SOP-8	1	Current	22	30	92	108	-40 to 105°C	.85	.738	.682	.587
◆ 512-FAN6863TY	FAN6863TY	SSOT-6	1	Current	65	20	70	8	-40 to 105°C	.84	.63	.48	.35
◆ 512-SG6846WALSY	SG6846WALSY	SOIC-8	1	Current	65	25	90	8	-40 to 105°C	.99	.83	.66	.50
◆ 512-FAN6754AMRMV	FAN6754AMRMV	SOIC-8	1	Current	65	30	89	30	-40 to 105°C	1.18	1.02	.813	.708
◆ 512-FAN6754BMLMV	FAN6754BMLMV	SOIC-8	1	Current	65	30	89	30	-40 to 105°C	.81	.68	.54	.41
◆ 512-FAN6754BMRMV	FAN6754BMRMV	SOIC-8	1	Current	65	30	89	30	-40 to 105°C	.81	.68	.54	.41
◆ 512-FAN6756MLMV	FAN6756MLMV	SOP-8	1	Current	65	30	90	450	-40 to 105°C	1.23	1.02	.82	.62
◆ 512-FAN6756MRMV	FAN6756MRMV	SOP-8	1	Current	65	30	90	450	-40 to 105°C	1.23	1.02	.82	.62
◆ 512-FAN6747WALMV	FAN6747WALMV	SOIC-8	1	Current	65	30	91	30	-40 to 105°C	1.08	.90	.72	.54
◆ 512-FAN6862LTY	FAN6862LTY	SSOT-6	1	Current	68	30	70	8	-40 to 105°C	.87	.751	.598	.56
◆ 512-FAN6862RTY	FAN6862RTY	SSOT-6	1	Current	68	30	70	8	-40 to 105°C	.87	.751	.598	.521
◆ 512-FAN6754AMLMV	FAN6754AMLMV	SOP-8	1	Current	69	30	92	30	-40 to 105°C	1.05	.81	.75	.645
◆ 512-FAN400ATY	FAN400ATY	SSOT-6	1	Current	70	30	78	8	-40 to 105°C	.67	.50	.389	.285
◆ 512-SG6858TZ	SG6858TZ	SSOT-6	1	Current	75	30	80	10	-40 to 125°C	.48	.39	.305	.257
◆ 512-FL6300AMY	FL6300AMY	SOIC-8	1	Current	100	30	-	10	-40 to 125°C	1.65	1.38	1.10	.825
◆ 512-FAN302ULMV	FAN302ULMV	SOIC-8	1	Current	140	25	67	450	-40 to 105°C	.93	.78	.62	.47
◆ 512-FAN6300HMY	FAN6300HMY	SOIC-8	1	Current	190	30	-	10	-40 to 125°C	1.74	1.50	1.19	1.04
◆ 512-FAN5069MTCX	FAN5069MTCX	TSSOP-16	1	Current	300	24	-	10	-10 to 85°C	1.71	1.35	1.21	1.05