

FAIRCHILD Power Modules, Load & Power Switches



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



FULL FUNCTION LOAD SWITCHES (CONT.)

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Input Voltage Range	Off Supply Current (Max) (µA)	RDSon (Typ)(Ω)		Quiescent Current (Typ/Max)(µA)	Rise Time (Typ)(µS)	Fall Time (Type)(µS)	Price Each			
					@V	@Amps				1	25	100	250
					◆ 512-FFP2104	FFP2104				SOT-23-5	1.8-5.5	1	0.125 @ 3.3
◆ 512-FFP2106	FFP2106	SOT-23-5	1.8-5.5	1	0.125 @ 3.3	0.05	95/-----	12	136	1.22	.97	.873	.752
◆ 512-FFP2107	FFP2107	SOT-23-5	1.8-5.5	1	0.125 @ 3.3	0.05	95/-----	12	136	1.25	.99	.891	.775
◆ 512-FFP2123	FFP2123	SOT-23-5	1.8-5.5	2	0.125 @ 3.3	0.05	75/-----	12	200	1.14	.945	.806	.797
◆ 512-FFP2125	FFP2125	SOT-23-5	1.8-5.5	2	0.125 @ 3.3	0.05	75/-----	12	200	1.30	1.02	.916	.797
◆ 512-FFP2165R	FFP2165R	MLP-6	1.8-5.5	2	0.12 @ 3.3	0.2	63/100	10	110	1.33	1.05	.947	.816
◆ 512-FFP2700MPX	FFP2700MPX	MLP-8	2.8-36.0	5	0.114@12	-----	92/140	7500	1500	2.22	1.60	1.42	1.29
◆ 512-FFP2700MX	FFP2700MX	SOIC-8	2.8-36.0	5	0.114@12	-----	92/140	7500	1500	2.15	1.55	1.37	1.24
◆ 512-FFP2701MPX	FFP2701MPX	MLP-8	2.8-36.0	5	0.088@12	-----	92/140	7500	1500	2.22	1.78	1.33	1.25
◆ 512-FFP2701MX	FFP2701MX	SOIC-8	2.8-36.0	5	0.088@12	-----	92/140	7500	1500	2.15	1.72	1.29	1.21
◆ 512-FFP2702MPX	FFP2702MPX	MLP-8	2.8-36.0	5	0.088@12	-----	92/140	7500	1500	2.22	1.78	1.33	1.25
◆ 512-FFP2702MX	FFP2702MX	SOIC-8	2.8-36.0	5	0.088@12	-----	92/140	7500	1500	2.15	1.72	1.29	1.21



INTEGRATED LOAD SWITCHES

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Input Voltage Range	Off Supply Current (Max)(µA)	RDSon (Max)(Ω)		Leakage Current (Max)(µA)	Power Dissipation (Max)(W)	Price Each			
					@4.5V	@Amps			1	25	100	250
					◆ 512-FDC6330L	FDC6330L			SSOT-6	3-20	1.6	0.125
◆ 512-FDC6323L	FDC6323L	SSOT-6	3-8.0	1.5	0.2	-----	1	0.7	.47	.397	.339	.293



USB SWITCHES

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Switches	Supply Voltage Range	RDSon (Ω)	RDSon Flatness (Ω)	Leakage Current (Max)(µA)	Bandwidth (MHz)	Crosstalk (dB)	Price Each			
										1	25	100	250
										◆ 512-FSA2000UMX	FSA2000UMX	UMLP-16	2
◆ 512-FSA880UMX	FSA880UMX	UMLP-16	1	3.0-3.4	8	-----	10	-----	-60	1.04	.78	.59	.44
◆ 512-FSUSB30L10X	FSUSB30L10X	MicroPak-10	1	3.0-3.4	9	2	1	720	-45	1.79	1.41	1.26	1.10
◆ 512-FSUSB30MUX	FSUSB30MUX	MSOP-10	1	3.0-3.4	9	2	1	720	-45	1.37	1.10	1.03	.807
◆ 512-FSUSB30UMX	FSUSB30UMX	UMLP-10	1	3.0-3.4	9	2	1	720	-45	1.79	1.41	1.26	1.10
◆ 512-FSUSB42UMX	FSUSB42UMX	UMLP-10	1	3.0-4.3	6.5	0.65	2	720	-45	1.79	1.41	1.26	1.10



OFFLINE ICs - POWER SWITCH

Fairchild Power Switch Designer Software (10.5M)

This software currently only works with Windows 95 and Windows 98. Available online at: www.fairchildsemi.com/products/analog/fps_designer_software.zip



The Fairchild Power Switch(FPS) product family is specially designed for an off line SMPS with minimal external components. The Fairchild Power Switch(FPS) consist of a high voltage power SenseFET and a current mode PWM IC.

◆ Surface Mount Device

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MOUSER STOCK NO.	Fairchild Part No.	Package	Output Power Vac (W)			Peak Current Limit (A)	Drain Voltage (Max) (V)	RDS On (Ohms)	Switching Frequency (kHz)	Power Saver	Soft Start	Over Current Protection	Price Each		
			Max at 85-165V	Max at 230V	Max at 350-400								1	25	100
			◆ 512-FAN7621N	FAN7621N	DIP-16								---	---	200
◆ 512-FAN7621SJ	FAN7621SJ	SOIC-16	---	---	---	---	---	Resonant	Yes	Soft Start	Latch	1.26	1.05	.84	
◆ 512-FS7M0880TU	FS7M0880TU	TO-3P	85	110	---	5	800	1.5	66	No	Soft Start	Latch	3.84	3.08	2.80
◆ 512-FSCQ0965RTYDTU	FSCQ0965RTYDTU	TO-220F	110	130	---	6	650	1.2	QRC	Yes	Soft Start	Latch	2.32	1.86	1.39
◆ 512-FSCQ1565RTYDTU	FSCQ1565RTYDTU	TO-220F	170	210	---	8	650	0.65	QRC	Yes	Internal	Latch	4.20	3.37	3.07
◆ 512-FSDM0465REWDTU	FSDM0465REWDTU	TO-220F	38	46	---	1.8	650	2.6	67	Yes	Soft Start	Auto Restart	1.95	1.57	1.38
◆ 512-FSDM311A	FSDM311A	DIP-8	8	13	---	0.57	650	19	67	Yes	Soft Start	No	.99	.79	.696
◆ 512-FSFA2100	FSFA2100	SIP-9	---	---	200	---	600	0.38	Asym	Yes	Soft Start	Latch	7.47	6.12	5.52
◆ 512-FSFR1600XS	FSFR1600XS	SIP-9	---	---	---	---	500	1.55	Resonant	Yes	Soft Start	Auto Restart	2.10	1.51	1.34
◆ 512-FSFR1700	FSFR1700	SIP-9	---	---	100	---	500	1.25	Resonant	Yes	Soft Start	Latch	4.72	4.03	3.66
◆ 512-FSFR1700USL	FSFR1700USL	SIP-9	---	---	100	---	500	1.25	Resonant	Yes	Soft Start	Auto Restart	2.70	2.16	1.68
◆ 512-FSFR1800USL	FSFR1800USL	SIP-9	---	---	120	---	500	0.95	Resonant	Yes	Soft Start	Auto Restart	4.32	3.93	3.60
◆ 512-FSFR1700XS	FSFR1700XS	SIP-9	---	---	---	---	500	1.25	Resonant	Yes	Soft Start	Auto Restart	2.20	1.59	1.41
◆ 512-FSFR2100	FSFR2100	SIP-9	---	---	200	---	600	0.38	Resonant	Yes	Soft Start	Latch	5.60	4.48	3.78
◆ 512-FSFR2100U	FSFR2100U	SIP-9	---	---	180	---	500	0.51	Resonant	Yes	Soft Start	Latch	4.80	4.30	3.91
◆ 512-FSFR2100USL	FSFR2100USL	SIP-9	---	---	180	---	500	0.51	Resonant	Yes	Soft Start	Auto Restart	3.78	3.44	3.15
◆ 512-FSFR2100XS	FSFR2100XS	SIP-9	---	---	---	---	500	0.51	Resonant	Yes	Soft Start	Auto Restart	3.54	2.55	2.26
◆ 512-FSGM0565RWDTU	FSGM0565RWDTU	TO-220F	60	80	---	2.2	650	2.2	67	Yes	Internal	Auto Restart	1.41	1.13	.85
◆ 512-FSL106HR	FSL106HR	DIP-8	10	13	---	0.7	650	18	100	Yes	Internal	Auto Restart	.82	.66	.497
◆ 512-FSL126HR	FSL126HR	DIP-8	17	21	---	1.5	650	6.2	100	Yes	Internal	Auto Restart	1.14	.95	.76
◆ 512-FSL127HNY	FSL127HNY	DIP-8	---	---	---	0.61	700	7.2	1000	Yes	Internal	Auto Restart	10.08	9.08	8.05
◆ 512-FSL136HR	FSL136HR	DIP-8	20	26	---	2.15	650	4	100	Yes	Internal	Auto Restart	1.46	1.21	.97
◆ 512-FSL206MRL	FSL206MRL	SOP-8	12	17	---	0.6	650	19	67	Yes	Internal	No	.96	.80	.64
◆ 512-FSL206MRN	FSL206MRN	DIP-8	12	17	---	0.6	650	19	67	Yes	Internal	No	.84	.70	.56
◆ 512-FSQ0165RN	FSQ0165RN	DIP-8	13	15	---	0.6	650	10	QRC	Yes	Soft Start	Auto Restart	1.37	1.09	.96
◆ 512-FSQ0170RNA	FSQ0170RNA	DIP-8	13	20	---	1.2	700	11	67	Yes	Soft Start	No	1.37	1.09	.955
◆ 512-FSQ0265RL	FSQ0265RL	LSOP-8	16	20	---	1.2	650	6	QRC	Yes	Soft Start	Auto Restart	1.55	1.25	1.12
◆ 512-FSQ0365RN	FSQ0365RN	DIP-8	19	31	---	1.5	650	4.5	QRC	Yes	Soft Start	Auto Restart	1.61	1.30	1.17
◆ 512-FSQ110	FSQ110	DIP-8	12	17	---	0.7	650	19	100	Yes	Soft Start	No	1.02	.88	.65
◆ 512-FSQ321	FSQ321	DIP-8	10	12	---	0.6	650	19	QRC	Yes	Soft Start	Auto Restart	.77	.622	.529
◆ 512-FSQ510	FSQ510	DIP-7	5	7	---	0.32	700	32	QRC	Yes	Soft Start	Auto Restart	1.18	.946	.828
◆ 512-FSQ510MX	FSQ510MX	SOP-7	5	7	---	0.32	700	32	QRC	Yes	Internal	Auto Restart	1.21	.96	.856
◆ 512-KA5H0365RTU	KA5H0365RTU	TO-220F	32	40	---	2.2	650	4.5	100	No	No	Auto Restart	1.49	1.33	1.16
◆ 512-KA5H0380RTU	KA5H0380RTU	TO-220F	32	40	---	2.2	800	5	100	No	No	Auto Restart	1.76	1.58	1.39
◆ 512-KA5L0380RTU	KA5L0380RTU	TO-220F	32	40	---	2.2	800	3.6	50	No	No	Auto Restart	1.76	1.58	1.39
◆ 512-KA5L0380RYDTU	KA5L0380RYDTU	TO-220F	32	40	---	2.2	800	5	50	No	No	Auto Restart	1.76	1.58	1.39
◆ 512-KA5M0365RTU	KA5M0365RTU	TO-220F	32	40	---	2.2	800	5	50	No	No	Auto Restart	1.36	1.33	1.16
◆ 512-KA5M0380RTU	KA5M0380RTU	TO-220F	32	40	---	2.2	800	5	67	No	No	Auto Restart	2.01	1.61	1.20
◆ 512-FSL106MR	FSL106MR	DIP-8	8	10	---	---	650	18	67	No	Soft Start	Auto Restart	1.30	1.12	.894
◆ 512-FSL116HR	FSL116HR	DIP-8	14	16	---	---	650	10	110	No	Soft Start	Auto Restart	.81	.68	.54
◆ 512-FSL116LR	FSL116LR	DIP-8	14	16	---	---	650	10	54.5	No	Soft Start	Auto Restart	1.05	.88	.70
◆ 512-FSL126MR	FSL126MR	DIP-8	17	21	---	---	650	6.2	73	No	Soft Start	Auto Restart	1.11	.925	.74
◆ 512-FSL136MR	FSL136MR	DIP-8	20	26	---	---	650	4	73	No	Soft Start	Auto Restart	1.83	1.57	1.25