

# FAIRCHILD Power MOSFETs

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MOSFETS

Fairchild

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## MEDIUM POWER MOSFETS (CONT.)

◆ Surface Mount Device \*Kinked Lead



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	V <sub>DS</sub> (V)	R <sub>DS(on)</sub> (mΩ)	Q <sub>g</sub> (nC)	I <sub>D</sub> (A)	P <sub>D</sub> (W)	Price Each			
Mfr.	Mfr. Part No.							1	25	100	250
Single N-Channel (Cont.)											
◆ 512-FDB8447L	TO-263AB	40	8	20	50	60	1.10	1.09	.952	.829	
◆ 512-FDD8445	TO-252	40	8.7	45	50	79	9.1	.795	.735	.632	
◆ 512-FDB8445	TO-263AB	40	17.2	44	70	92	1.49	1.32	1.15	1.00	
◆ 512-FDB8442	TO-263AB	40	2	181	80	254	2.93	2.62	2.32	2.08	
◆ 512-FDP8441	TO-220AB	40	2	215	80	300	2.58	2.30	2.01	1.79	
◆ 512-FDA8440	TO-3PN	40	2.2	345	100	306	3.93	3.53	3.13	2.82	
◆ 512-FDB9403_F085	TO-263AB	40	1	164	110	333	5.45	4.91	4.47	4.03	
◆ 512-FDD8444	TO-252	40	5	89	145	153	1.49	1.32	1.15	1.00	
◆ 512-FDB016N04AL7	TO-263AB	40	1.6	129	216	283	3.87	3.10	2.41	2.29	
◆ 512-FDP8440	TO-220AB	40	2.4	345	277	306	4.23	3.80	3.37	3.04	
◆ 512-BSS138K	SOT-23	50	2500	2.4	0.22	0.35	.12	.10	.094	.081	
◆ 512-BSS138	SOT-23	50	3500	1.7	0.22	0.36	.08	.069	.058	.047	
◆ 512-BSS138D87Z	SOT-23	50	3500	1.7	0.22	0.36	.61	.40	.195	.18	
◆ 512-RFD14N05L	TO-251	50	100	40	14	48	.66	.56	.469	.374	
◆ 512-RFD14N05LSM	TO-252	50	100	31	14	48	.70	.506	.432	.322	
◆ 512-RFD14N05LSM9A	TO-252	50	100	40	14	48	.78	.652	.554	.442	
◆ 512-RFD16N05LSM9A	TO-252AA	50	47	80	16	60	1.02	.894	.827	.711	
◆ 512-HUF75321P3	TO-220AB	55	34	21	35	93	.90	.794	.674	.538	
◆ 512-FDH5500-F085	TO-247	55	7	206	75	375	3.83	3.06	2.30	2.14	
◆ 512-HUF75339P3	TO-220AB	55	12	60	75	200	1.53	1.34	1.14	.906	
◆ 512-HUF75344G3	TO-247	55	8	90	75	285	2.06	1.89	1.69	1.58	
◆ 512-HUF75344P3	TO-220AB	55	8	90	75	285	2.04	1.82	1.59	1.41	
◆ 512-HUF75345G3	TO-247	55	7	125	75	325	3.22	2.89	2.56	2.31	
◆ 512-HUF75345P3	TO-220AB	55	7	125	75	325	2.26	2.01	1.76	1.56	
◆ 512-2N7002K	SOT-23	60	2000	-	0.115	0.35	.04	.038	.035	.032	
◆ 512-2N7002D87Z	SOT-23	60	2000	-	0.115	0.2	.37	.27	.171	.122	
◆ 512-2N7002MTF	SOT-23	60	5000	-	0.115	0.2	.08	.066	.061	.054	
◆ 512-2N7002W	SOT-323	60	7500	-	0.115	0.2	.39	.31	.236	.167	
◆ 512-2N7002	SOT-23	60	7500	1.7	0.12	0.2	.09	.089	.088	.087	
◆ 512-2N7000BU	TO-92-3	60	5000	-	0.2	0.4	.43	.31	.196	.14	
* 512-2N7000D26Z	TO-92-3	60	5000	1.7	0.2	0.4	.09	.074	.063	.051	
* 512-2N7000D74Z	TO-92-3	60	5000	1.7	0.2	0.4	.46	.33	.211	.15	
* 512-2N7000D75Z	TO-92-3	60	5000	1.7	0.2	0.4	.32	.25	.189	.134	
* 512-2N7000TA	TO-92-3	60	5000	-	0.2	0.4	.41	.30	.19	.135	
◆ 512-2N7000	TO-92-3	60	5000	1.7	0.2	0.4	.11	.097	.089	.078	
◆ 512-ND57002A	SOT-23	60	2000	1.7	0.28	0.3	.15	.129	.109	.087	
◆ 512-BS270	TO-92-3	60	2000	-	0.4	0.625	.12	.112	.106	.095	
* 512-BS270D74Z	TO-92-3	60	2000	-	0.4	0.625	.54	.30	.232	.169	
* 512-BS170D26Z	TO-92-3	60	5000	-	0.5	0.83	.11	.101	.085	.068	
* 512-BS170D27Z	TO-92-3	60	5000	-	0.5	0.83	.19	.171	.157	.15	
* 512-BS170D75Z	TO-92-3	60	5000	-	0.5	0.83	.35	.27	.205	.147	
◆ 512-BS170	TO-92-3	60	5000	-	0.5	0.83	.24	.215	.181	.128	
* 512-BS170_D74Z	TO-92-3	60	5000	1.7	0.5	0.83	.19	.171	.157	.15	
◆ 512-MMBF170	SOT-23	60	5000	1.7	0.5	0.3	.10	.086	.073	.058	
◆ 512-FDN5630	SSOT-3	60	100	7	1.7	0.5	.39	.328	.278	.222	
◆ 512-NDT014	SOT-223	60	200	11	2.7	3	.45	.39	.329	.284	
◆ 512-FQT13N06TF	SOT-223	60	140	5.8	2.8	2.1	.63	.52	.413	.358	
◆ 512-FQT13N06LTF	SOT-223	60	110	4.8	2.8	2.1	.63	.47	.409	.344	
◆ 512-NDT3055L	SOT-223	60	70	13	4.0	3	.51	.427	.363	.29	
◆ 512-NDT3055	SOT-223	60	100	9	4.0	3	.77	.562	.526	.456	
◆ 512-FDC5612	SSOT-6	60	55	12.5	4.3	1.6	.77	.641	.544	.434	
◆ 512-FDS5351	SOIC-8	60	35	9	6.1	5	.87	.77	.693	.60	
◆ 512-FDS5680	SOIC-8	60	20	30	8.0	2.5	1.64	1.36	1.15	.916	
◆ 512-FDS5670	SOIC-8	60	14	49	10	2.5	1.79	1.60	1.38	1.10	
◆ 512-FQPF13N06L	TO-220F	60	110	4.8	10	2.4	.82	.63	.555	.478	
◆ 512-FQD13N06LTM	TO-252	60	110	4.8	11	2.5	.65	.50	.431	.375	
◆ 512-FQU13N06LTU	IPAK	60	115	4.8	11	2.5	.67	.591	.516	.448	
◆ 512-RFD3055LE	TO-251	60	107	11.3	11	38	.57	.473	.401	.321	
◆ 512-FDS5672	SOIC-8	60	10	34	12	2.5	1.51	1.35	1.16	.926	
◆ 512-HUF7640D7D3ST	TO-252	60	92	9.4	12	38	.79	.61	.536	.452	
◆ 512-MTP3055VL	TO-252	60	180	10	12	48	.96	.797	.677	.54	
◆ 512-MTP3055VL	TO-220AB	60	180	7.8	12	48	.89	.79	.686	.602	
◆ 512-FDMC86520L	MLP-8	60	6.5	6.4	13.5	40	1.14	.95	.76	.57	
◆ 512-FQP13N06L	TO-220AB	60	110	4.8	13.6	45	1.73	.65	.565	.49	
◆ 512-FDM86520	Power-56	60	7.4	40	14	69	1.14	.95	.76	.57	
◆ 512-FQPF20N06	TO-220F	60	60	11.5	15	30	.92	.81	.705	.611	
◆ 512-FQPF20N06L	TO-220F	60	55	9.5	15.7	30	.94	.73	.636	.558	
◆ 512-RFD16N06LESM9A	TO-252	60	47	51	16	90	1.03	.853	.724	.578	
◆ 512-FQPF27P06	TO-220F	60	70	33	17	47	1.04	.92	.802	.698	
◆ 512-RFD12N06RLESM9A	TO-252AA	60	75	15	17	49	.80	.708	.618	.537	
◆ 512-FQP20N06	TO-220AB	60	60	11.5	20	53	.92	.81	.67	.48	
◆ 512-FDM86540	Power-56	60	3.4	90	20	96	1.50	.90	.81	.79	
◆ 512-FQP20N06L	TO-220AB	60	35	9.5	21	53	.89	.794	.695	.601	
◆ 512-FDM5672	Power-56	60	11	32	22	78	2.34	2.09	1.85	1.66	
◆ 512-FDM86520L	Power-56	60	8.2	45	22	69	1.95	1.62	1.30	.975	
◆ 512-FQPF30N06L	TO-220F	60	35	15	22.5	38	1.03	.82	.698	.613	
◆ 512-FDD5690	TO-252AA	60	23	32	30	3.2	1.24	1.08	1.00	.863	
◆ 512-FQP30N06	TO-220AB	60	40	19	30	79	.90	.79	.693	.608	
◆ 512-FQP30N06L	TO-220AB	60	35	15	32	79	.90	.79	.693	.608	
◆ 512-FQB30N06LTM	TO-263AB	60	35	15	32	79	.91	.70	.636	.551	
◆ 512-FQPF65N06	TO-220F	60	16	48	5.6	1.38	1.22	1.06	.93	.83	
◆ 512-NDP060L	TO-220AB	60	25	36	48	100	1.61	1.36	1.16	.923	
◆ 512-FDM5352	Power-56	60	6.7	48	49	104	2.76	2.47	2.18	1.96	
◆ 512-FDM86500L	Power-56	60	2.5	117	49	104	1.63	1.30	.98	.91	
◆ 512-FDD10AN06A0	TO-252	60	10.5	28	50	135	1.73	1.55	1.33	1.06	
◆ 512-FDD13AN06A0	TO-252	60	13	22	50	115	1.38	1.14	.967	.772	
◆ 512-FDD5353	TO-252	60	12.3	23	50	69	1.07	.85	.839	.74	
◆ 512-FQP50N06	TO-220AB	60	22	31	50	120	1.06	.934	.793	.633	

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◆ Surface Mount Device \*Kinked Lead



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MOUSER STOCK NO.		Package	V <sub>DS</sub> (V)	R <sub>DS(on)</sub> (mΩ)	Q <sub>g</sub> (nC)	I <sub>D</sub> (A)	P <sub>D</sub> (W)	Price Each			
Mfr.	Mfr. Part No.							1	25	100	250
Single N-Channel (Cont.)											
◆ 512-RFP50N06	TO-220AB	60	22	67	50	131	1.33	1.17	.991	.791	
◆ 512-FQP50N06L	TO-220AB	60	21	24.5	52	121	1.10	.968	.822	.656	
◆ 512-FDP55N06	TO-220AB	60	22	30	55	114	1.00	.89	.773	.678	
◆ 512-FDB13AN06A0	TO-263AB	60	13	22	62	115	1.75	1.57	1.43	1.28	
◆ 512-FDP65N06	TO-220AB	60	16	33	65	135	.98	.865	.734	.586	
◆ 512-FQP65N06	TO-220AB	60	16	48	65	150	1.59	1.41	1.23	1.07	
◆ 512-RFP70N06	TO-220AB	60	14	156	70	150	1.55	1.38	1.21	1.03	
◆ 512-FDB050AN06A0	TO-263AB	60	5	61	80	245	2.88	2.58	2.28	2.07	
◆ 512-FDB5800	TO-263-2	60	6	104	80	242	2.12	1.89	1.67	1.50	
◆ 512-FDP038AN06A0	TO-220AB	60	3	95	80	310	3.41	3.06	2.71	2.44	
◆ 512-FDP050AN06A0	TO-220AB	60	5	61	80	245	2.67	2.38	2.08	1.85	
◆ 512-FDP5800	TO-220AB	60	6	112	80	242	1.94	1.72	1.55	1.38	
◆ 512-FQB80N06	TO-220AB	60	10	57	80	176	1.40	1.23	1.07	.941	
◆ 512-FQP85N06	TO-220AB	60	10	86	85	160	1.95	1.74	1.52	1.35	
◆ 512-FDP030N06	TO-220AB	60	3.2	116	193	231	2.78	2.59	2.16	2.05	
◆ 512-FDP024N06	TO-263AB	60	2.4	174	265	395	4.50	4.03	3.56	3.23	
◆ 512-FDP025N06	TO-220AB	60	2.5	174	265	395	4.02	3.82	3.50	3.23	
◆ 512-FDP75N08A	TO-220AB	75	11	80	75	137	1.61	1.43	1.26	1.12	
◆ 512-FDH038AN08A1	TO-247	75	3	125	80	450	6.14	5.51	4.87	4.40	
◆ 512-FDP047AN08A0	TO-220AB	75	4.7	92	80	310	4.53	4.06	3.58	3.25	
◆ 512-FDP047AN08A0	TO-220AB	75</									