

# FAIRCHILD Power MOSFETs

**FAIRCHILD**  
SEMICONDUCTOR

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## LOW POWER MOSFETS (CONT.)

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◆Surface Mount Device \*Kinked Lead

◆Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	VDS (V)	RDS(on) (mΩ)	Qg (nC)	ID (A)	PD (W)	Price Each			
Mfr.	Mfr. Part No.							1	25	100	250
<b>Dual N-Channel (Cont.)</b>											
◆	512—FDMA1028NZ	MicroFET-6	20	37	4	3.7	1.4	.68	.60	.52	.451
◆	512—FDMA1024NZ	MicroFET-6	20	54	5.2	5.0	1.4	.58	.543	.479	.352
◆	512—FDS9926A	SOIC-8	20	30	6.2	6.5	2	.52	.44	.375	.299
◆	512—FDS6890A	SOIC-8	20	18	23	7.5	2	1.70	1.52	1.34	1.20
◆	512—FDS6911	SOIC-8	20	13	17	7.5	1.6	1.18	.979	.834	.666
◆	512—FDMB2307NZ	MLP 2x3	20	16.5	28	8	2.2	.96	.80	.64	.48
◆	512—FDS6898A	SOIC-8	20	14	16	9.4	2	1.23	1.02	.87	.694
◆	512—FDS6898AZ	SOIC-8	20	14	16	9.4	2	1.19	.96	.846	.675
◆	512—FDC6301N	SSOT-6	25	4000	0.49	0.22	0.9	.25	.213	.182	.145
◆	512—FDG6301N	SC-70-6	25	4000	0.29	0.22	0.3	.23	.193	.165	.131
◆	512—FDG6303N	SC-70-6	25	450	1.64	0.5	0.3	.16	.136	.116	.093
◆	512—FDC6303N	SSOT-6	25	450	1.64	0.68	0.9	.29	.242	.206	.164
◆	512—FDMS3615S	Power-56	25	6.6	19	23	2.3	1.38	1.10	.83	.77
◆	512—FDMS3616S	Power-56	25	6.5	31	18	2.3				
◆	512—FDMS8570S	PQFN-8	25	2.8	-	25	-	1.52	1.22	.91	.85
◆	512—FDMS3600S	Power-56	25	1.6	59	40	2.5	1.95	1.56	1.16	1.10
◆	512—FDMS3602S	Power-56	25	5.6	19	30	2.2	2.25	1.80	1.40	1.33
◆	512—FDMS8560S	PQFN-8	25	1.8	-	35	-	1.58	1.26	.95	.89
◆	512—FDS8558S	PQFN-8	25	1.5	-	38	-	1.70	1.36	1.02	.96
◆	512—FDG8850NZ	SC-70-6	30	400	1.03	0.75	0.36	.43	.37	.324	.283
◆	512—FDC6561AN	SSOT-6	30	95	2.1	2.5	0.9	.42	.355	.302	.241
◆	512—FDMA2002NZ	MicroFET-6	30	123	2.4	2.9	1.5	.54	.448	.38	.303
◆	512—FDS6961A	SOIC-8	30	90	2.1	3.5	2	.56	.474	.404	.322
◆	512—FDMB3800N	MicroFET-8	30	40	4	4.8	1.6	.91	.80	.698	.605
◆	512—FDS6930B	SOIC-8	30	38	2.7	5.5	2	.65	.548	.467	.372
◆	512—FDS8984	SOIC-8	30	23	5	7.0	1.6	.61	.511	.435	.347
◆	512—FDS6910	SOIC-8	30	13	9	7.5	1.6	1.13	.936	.797	.637
◆	512—FDS8978	SOIC-8	30	18	9	7.5	1.6	.73	.56	.556	.49
◆	512—FDMC8200S	Power-33	30	20	7.3	13	2.5	.96	.80	.64	.48
◆	512—FDMS7620S	Power-56	30	20	7.2	13	2.2	1.32	1.11	.883	.668
◆	512—FDMS3660S	Power-56	30	8	29	13	2.5	1.63	1.30	.98	.91
◆	512—FDMS3664S	Power-56	30	8	29	13	2.5	1.38	1.10	.83	.77
◆	512—FDMS3668S	Power-56	30	8	29	13	2.5	1.35	1.12	.90	.68
◆	512—FDS9620S	Power-56	30	21.5	10	16	2.5	1.19	1.05	.916	.797
◆	512—FDMS7602S	Power-56	30	13	18	18	2.5				
◆	512—FDMS3604AS	Power-56	30	7.5	20	30	2.2	1.70	1.36	1.02	.96
◆	512—FDMS3604AS	Power-56	30	5	33	30	2.5				
◆	512—FDMS7600AS	Power-56	30	2.6	47	40	2.5	2.80	2.41	1.92	1.67
◆	512—FDMS7700S	Power-56	30	5.8	81	40	2.5	3.00	2.58	2.05	1.79
◆	512—FDMS7650DC	Power-56	30	7.5	105	40	2.5	2.70	2.16	1.62	1.50
◆	512—FDMC7660DC	Power-33	30	0.6	206	36	125	2.70	1.68	1.50	1.20
◆	512—FDS8949_F085	SOIC-8	40	29	7.7	6.0	2	1.29	1.07	.86	.65
<b>Dual P-Channel</b>											
◆	512—FDG6316P	SC-70-6	-12	270	1.7	-0.7	0.3	.25	.213	.182	.145
◆	512—FDC6318P	SSOT-6	-12	90	5.4	-2.5	0.96	.68	.57	.483	.386
◆	512—FDG6318PZ	SC-70-6	-20	780	1.08	-0.5	0.3	.49	.37	.258	.215
◆	512—FDG6308P	SC-70-6	-20	400	1.8	-0.6	0.3	.69	.49	.421	.359
◆	512—FDG6306P	SC-70-6	-20	420	1.4	-0.6	0.3	.30	.253	.215	.172
◆	512—FDC6306P	SSOT-6	-20	170	3	-1.9	0.96	.30	.255	.218	.174
◆	512—FDC6310P	SSOT-6	-20	125	3.7	-2.2	0.96	.42	.364	.311	.248
◆	512—FDC6312P	SSOT-6	-20	115	4.4	-2.3	0.96	.29	.242	.206	.164
◆	512—FDME1023PZT	MicroFET-6	-20	142	5.5	-2.3	1.3	.51	.42	.34	.257
◆	512—FDMA1027P	MicroFET-6	-20	120	4	-3.0	1.4	.86	.76	.663	.574
◆	512—FDMA1025P	MicroFET-6	-20	155	3.4	-3.1	1.4	.72	.636	.537	.465
◆	512—FDMA1029PZT	MicroFET-6	-20	95	7	-3.1	1.4	.63	.524	.444	.355
◆	512—FDMA6023PZT	MicroFET-6	-20	60	12	-3.6	1.4	.64	.60	.504	.371
◆	512—FDMA1023PZ	MicroFET-6	-20	72	8.6	-3.7	1.5	.73	.65	.579	.501
◆	512—FDS9933A	SOIC-8	-20	75	8	-3.8	2	.84	.68	.602	.48
◆	512—FDS6875	SOIC-8	-20	30	23	-6.0	2	1.15	.953	.812	.648
◆	512—FDC6302P	SSOT-6	-25	13000	0.22	-0.12	0.9	.30	.254	.215	.172
◆	512—FDG6304P	SC-70-6	-25	1100	1.1	-0.41	0.3	.30	.255	.218	.174
◆	512—FDC6304P	SSOT-6	-25	1500	1.1	-0.46	0.9	.41	.346	.295	.236
◆	512—FDC6506P	SSOT-6	-30	170	2.3	-1.8	0.96	.44	.369	.314	.251
◆	512—FDS9953A	SOIC-8	-30	130	2.5	-2.9	2	.70	.584	.498	.398
◆	512—FDMA3027PZ	MicroFET 2x2	-30	87	10	-3.3	1.4	.77	.681	.595	.516
◆	512—FDS6975	SOIC-8	-30	32	14.5	-6.0	2	1.23	1.02	.87	.694
◆	512—FDS4935BZ	SOIC-8	-30	22	16	-6.9	1.6	.85	.709	.604	.482
◆	512—FDS4935A	SOIC-8	-30	23	15	-7.0	1.6	1.07	.891	.759	.606
<b>SyncFET - N-Channel</b>											
◆	512—FDMS7560S	Power-56	25	1.45	66	49	89	2.57	2.21	1.76	1.53
◆	512—FDMS7570S	Power-56	25	1.95	49	49	83	1.38	1.10	.83	.77
◆	512—FDMS8570SDC	Power-56	25	2.8	42	60	59	1.40	1.25	1.13	1.00
◆	512—FDS6990AS	SOIC-8	30	22	10	7.5	2	1.15	.92	.817	.652
◆	512—FDS6690AS	SOIC-8	30	12	16	10	2.5	.82	.63	.555	.478
◆	512—FDS6680AS	SOIC-8	30	8	22	11.5	2.5	.87	.77	.672	.582
◆	512—FDS6670AS	SOIC-8	30	9	27	13.5	2.5	1.01	.90	.783	.682

MOUSER STOCK NO.		Package	VDS (V)	RDS(on) (mΩ)	Qg (nC)	ID (A)	PD (W)	Price Each			
Mfr.	Mfr. Part No.							1	25	100	250
<b>SyncFET - N-Channel (Cont.)</b>											
◆	512—FDS6676AS	SOIC-8	30	6	25	14.5	2.5	.86	.76	.663	.582
◆	512—FDMC7692S	Power-33	30	9.3	16	18	27	1.38	1.19	.948	.826
◆	512—FDS6699S	SOIC-8	30	3	35	21	2.5	1.26	.97	.961	.853
◆	512—FDMS0312S	Power-56	30	4.4	33	42	46	2.37	2.04	1.62	1.41
◆	512—FDMS7660AS	Power-56	30	2.4	64	42	83	1.77	1.52	1.21	1.05
◆	512—FDMS7670AS	Power-56	30	3	47	42	65	1.08	.90	.72	.54
◆	512—FDMS7672AS	Power-56	30	4	15	42	46	.81	.68	.54	.41
<b>Dual (MOSFET and SyncFET) N-Channel</b>											
◆	512—FDMC2514SDC	Power-33	25	3.5	14	40	60	2.00	1.60	1.20	1.12
◆	512—FDS6984AS	SOIC-8	30	31	4	5.5	2	.82	.63	.555	.478
◆	512—FDS6982AS	SOIC-8	30	28	6	6.3	2	.86	.723	.616	.492
◆	512—FDS6986AS	SOIC-8	30	20	6.5	6.5	2	.85	.709	.604	.482
◆	512—FDS6994S	SOIC-8	30	21	8	6.9	2	1.64	1.45	1.26	1.10
◆	512—FDMC8026S	Power-33	30	4.4	52	21	36	.96	.80	.64	.48
◆	512—FDMC3020DC	Power-33	30	6.3	7.1	40	50	.90	.75	.60	.45
◆	512—FDMS7658AS	Power-56	30	1.9	35	49	89	1.55	1.24	.93	.87
<b>Dual N and P-Channel</b>											
◆	512—FDY4000CZ	SC-89	20	700	0.8	0.6	0.625	.41	.34	.278	.231
◆	512—FDG6332C	SC-70-6	-20	1200	1	-0.35	0.625	.37	.312	.266	.212
◆	512—FDG6332C_F085	SC-70-6	-20	420	1.4	-0.6	0.3	.50	.44	.375	.262
◆	512—FDC6327C	SSOT-6	-20	80	3.25	2.7	0.96	.35	.298	.254	.203
◆	512—FDC6420C	SSOT-6	-20	170	2.85	-1.6	0.96	.44	.375	.319	.255
◆	512—FDME1034CZT	MicroFET-6	-20	125	3.7	-2.2	0.96	.51	.42	.34	.257
◆	512—FDMA1032CZ	MicroFET-6	-20	142	5.5	-2.6					