

FAIRCHILD Power MOSFETs

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

FAIRCHILD
SEMICONDUCTOR

◆ Surface Mount Device

MOSFETS

FAIRCHILD MEDIUM POWER MOSFETS

HIGH POWER MOSFETS (CONT.)

For quantities of 500 and up, 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
Single N-Channel											
◆	512—FDC2612	SSOT-6	200	725	8	1.1	1.6				
	512—FDP52N20	TO-220	200	49	19	52	357				
	512—FDP61N20	TO-220	200	41	58	61	417				
	512—FDP2614	TO-220	200	27	76	62	260				
	512—FQPF19N20C	TO-220F	200	170	40.5	19	43				
◆	512—FDFP52N20T	TO-220F	200	49	49	52	38.5				
◆	512—FQD12N20LTM	TO-252	200	280	16	9	2.5				
◆	512—FQD10N20LTF	TO-252	200	360	13	7.6	2.5				
◆	512—FQD18N20V2TM	TO-252	200	140	20	15	2.5				
◆	512—FQB19N20CTM	TO-263	200	170	40.5	19	3.13				
◆	512—FQB19N20LTM	TO-263	200	140	27	21	3.13				
◆	512—FDB52N20TM	TO-263	200	49	49	52	357				
	512—FDB2614	TO-263	200	27	76	62	260				
	512—FQA32N20C	TO-3P	200	82	82.5	32	204				
	512—FQP19N20	TO-220	200	150	31	19.4	140				
	512—FQP4N20L	TO-220	200	1350	4	3.8	45				
	512—IRL630A	TO-220	200	400	18.6	9	69				
	512—IRLS640A	TO-220F	200	180	40	9.8	40				
	512—FQP19N20C	TO-220	200	170	40.5	19	139				
	512—FQPF32N20C	TO-220F	200	82	82.5	28	50				
	512—FQP32N20C	TO-220	200	82	82.5	28	156				
Dual N-Channel											
◆	512—NDS9948	SO-8	-60	250	9	2.3	2				
	512—FDS9958	TO-247	-60	105	8	2.9	2				
◆	512—FDS8949	SO-8	40	29	7.7	6	2				
◆	512—2N7002DW	SC-70	60	7500	-	0.115	0.2				
◆	512—FDS9945	SOIC-8	60	100	8	3.5	2				
◆	512—NDC7002N	SSOT-6	50	2000	1	0.51	0.96				
	512—FDS3601	SO-8	100	480	3.7	1.3	2				
	512—FDS3992	SO-8	100	62	11	4.5	2.5				
	512—FDS3912	SO-8	100	125	14	3	2				
◆	512—FDC3601N	SSOT-6	100	500	3.7	1	0.96				
Complementary N & P Channel											
◆	512—FDD3510H	TO-252	80	80	13	13.9	35				
			-80	190	14	-9.4	32				
◆	512—FDS4559	SOIC-8	60	55	12.5	4.5	2				
			-60	105	15	-3.5	2				
◆	512—NDC7001C	SSOT-6	60	2000	1.1	0.51	0.96				
			-60	5000	1.6	-0.34	0.96				
	512—FDS4897C	SO-8	40	29	14	6.2	2				
			-40	46	20	-4.4	2				
	512—FDD8424H	TO-252	40	24	14	20	30				
			-40	54	17	-20	35				

HIGH POWER MOSFETS

Single P-Channel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	RDS (ON) Max @ VGS= (10VΩ)	Qg (nC)	ID (A)	PD (W)	Price Each			
Mfr.	Mfr. Part Number						1	25	100	250
-500V (VDS)										
◆	512—FQD3P50TM	TO-252	4.9	18	2.1	2.5				
	512—FQP3P50	TO-220	4.9	18	2.7	85				
-400V (VDS)										
◆	512—FQD2P40TF	D-PAK	6.5	10	-1.56	38				
	512—FQP4P40	TO-220	3.1	18	3.5	85				
-250V (VDS)										
	512—FQP9P25	TO-220	620	29	-9.4	120				
	512—FQA9P25	TO-3P	0.62	29	10.5	150				

Single N-Channel

250V (VDS)										
	512—FQT4N25TF	SOT-223	1.75	4.3	0.83	2.5				
	512—FQA40N25	TO-3P	0.07	85	40	280				
	512—FQP16N25C	TO-220	0.27	41	15.6	139				
	512—FDP2710	TO-220	0.0425	78	50	260				
	512—FQA62N25C	TO-3P	0.035	100	62	298				
300V (VDS)										
	512—FQP22N30	TO-220	0.16	47	21	170				
	512—FQP3N30	TO-220	2.2	5.5	3.2	55				
	512—FDFP14N30	TO-220F	0.29	18	14	35				
	512—FDB28N30TM	TO-262	0.129	39	28	250				
400V (VDS)										
	512—FDP24N40	TO-220	175	46	24	227				
	512—FQD6N40CTM	TO-252	1	16	4.5	2.5				
◆	512—FQP17N40	TO-220	0.27	45	16	170				

Single N-Channel (Cont.)

* Kinked Lead

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	RDS (ON) Max @ VGS= (10VΩ)	Qg (nC)	ID (A)	PD (W)	Price Each			
Mfr.	Mfr. Part Number						1	25	100	250
400V (VDS) (Cont.)										
	512—FDU3N40TU	TO-251	3.4	4.5	2	30				
	512—FQB11N40CTM	TO-263	0.53	28	11	135				
◆	512—FQP6N40C	TO-220	1	16	6	73				
	512—FQP11N40C	TO-220	0.53	28	11	135				
	512—FQA30N40	TO-3P	0.14	90	30	290				
450V (VDS)										
	512—SSN1N45BTA	TO-92	4250	6.5	0.5	0.9				
500V (VDS)										
◆	512—FQD4N50TM	D-PAK	2.7	10	2.6	45				
	512—FQP5N50C	TO-220	1.4	18	5	73				
	512—FDA24N50	TO-3PN	190	65	24	270				
	512—FDA28N50	TO-3PN	155	80	28	310				
	512—FQPF11N50CF	TO-220F	0.55	43	11	48				
	512—FQPF10N50CF	TO-220F	0.61	43	10	48				
	512—FQPF5N50C	TO-220F	1.4	18	5	38				
	512—FQPF9N50C	TO-220F	0.8	28	9	44				
	512—FDP20N50F	TO-220	0.26	50	20	250				
	512—FDFP5N50T	TO-220	1.4	11	5	28				
	512—FQP9N50C	TO-220	0.8	28	9	135				
	512—FDFP12N50FT	TO-220F	0.7	21	11.5	42				
	512—FDFP7N50	TO-220F	0.9	12.8	7	31.3				
	512—FQPF13N50CF	TO-220F	540	43	13	48				
	512—FDFP13N50FT	TO-220F	0.54	30	12	42				
	512—FDFP20N50FT	TO-220F	0.26	50	20	38.5				
	512—FDH44N50	TO-247	0.12	90	44	750				
◆	512—FQD3N50CTM	TO-252	2.5	10	2.5	35				
	512—IRFP460C	TO-3P	0.24	87	14	235				
	512—FDA20N50F	TO-3PN	0.26	50	22	388				
	512—FQN1N50CTA	TO-92	6	4.9	0.38	0.89				
	512—FQNL2N50BTA	TO-92S*	5.3	6	0.35	1.5				
	512—FQA24N50	TO-3P	0.2	90	24	290				
600V (VDS)										
◆	512—FQB8N60CTM	D-PAK	1.2	28	7.5	147				
	512—FQD1N60CTM	D-PAK	11.5	4.8	1	28				
◆	512—FQD5N60CTM	D-PAK	2.5	15	2.8	49				
	512—FQP8N60C	TO-220	1.2	28	7.5	147				
	512—FCP7N60	TO-220	0.6	25	7	83				
	512—FCP11N60	TO-220	0.38	40	11	125				
	512—FCP11N60F	TO-220	0.38	40	11	125				
	512—FCP20N60	TO-220	0.19	75	20	208				
	512—FQPF12N60C	TO-220F	650	48	12	51				
	512—FCPF20N60	TO-220F	0.19	75	20	39				
◆	512—FQD2N60CTF	TO-252	4.7	8.5	1.9	2.5				
◆	512—FQD2N60CTM	TO-252	4.7	8.5	1.9	2.5				
◆	512—FCB20N60FTM	TO-263	0.19	75	20	208				
	512—FCA47N60	TO-3P	0.07	210	47	417				
	512—FCA20N60F	TO-3PN	0.19	75	20	208				
	512—FQN1N60CTA	TO-92	11.5	4.8	0.3	1				
	512—FQP5N60C	TO-220	2.5	15	4.5	100				
	512—FQP10N60C	TO-220	0.73	44	9.5	156				
	512—FQPF10N60C	TO-220F	0.73	44	9.5	50				
	512—FQPF2N60C	TO-220F	4.7	8.5	2	23				