

# Power MOSFET Selection Guide

2003

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**Note:**

Unless otherwise specified,

$V_{GS}$  is given @ 5V for MOSFETs with ratings of 30V<sub>DS</sub> and below.

$V_{GS}$  is given @ 10V for MOSFETs with ratings higher than 30V<sub>DS</sub>.

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>BGA N-Channel</b>									
<b>1.5x1.5 mm</b>									
FDZ298N	20	Single	-	0.027	0.039	-	7	6	1.7
<b>2.0x2.0 mm</b>									
FDZ203N	20	Single	-	0.018	0.03	-	11	7.5	1.6
<b>2.0x2.5 mm</b>									
FDZ201N	20	Single	-	0.018	0.03	-	11	9	2
FDZ209N	60	Single	-	0.08@5V	-	-	6.3	4	2
<b>2.5x4.0 mm</b>									
FDZ2553N	20	Monolithic (Common Drain)	-	0.014	0.02	-	12	9.6	2.1
FDZ2553NZ	20	Monolithic (Common Drain)	-	0.014	0.02	-	13	9.6	2.1
FDZ2551N	20	Monolithic (Common Drain)	-	0.018	0.03	-	11	9	2.1
<b>3.5x4.0 mm</b>									
FDZ7064N	30	Single	0.007	0.008	-	-	31	13.5	2.2
FDZ7064S	30	SyncFET™	0.0072	0.0088	-	-	25	13.5	2.2
<b>5.0x5.5 mm</b>									
FDZ5047N	30	Single	0.0029	0.0045	-	-	52	22	2.8
<b>BGA P-Channel</b>									
<b>1.5x1.5 mm</b>									
FDZ299P	-20	Single	-	0.055	0.08	-	6.6	4.6	1.7
<b>2.0x2.0 mm</b>									
FDZ204P	-20	Single	-	0.045	0.075	-	9	4.5	1.8
<b>2.0x2.5 mm</b>									
FDZ202P	-20	Single	-	0.045	0.075	-	9	5.5	2
<b>2.5x4.0 mm</b>									
FDZ2554P	-20	Monolithic (Common Drain)	-	0.028	0.045	-	14	6.5	2.1
FDZ2554PZ	-20	Monolithic (Common Drain)	-	0.028	0.045	-	15	6.5	2.1
FDZ2552P	-20	Monolithic (Common Drain)	-	0.045	0.075	-	9	5.5	2.1
<b>3.5x4.0 mm</b>									
FDZ208P	-30	Single	0.0105	0.0165	-	-	25	12.5	2.2
FDZ206P	-20	Single	-	0.0095	0.0145	-	38	13	2.2
<b>SC70-6 N-Channel</b>									
FDG6335N	20	Dual	-	0.3	0.4	-	1.1	0.7	0.3
FDG327N	20	Single	-	0.09	0.1	0.14	4.5	1.5	0.42
FDG327NZ	20	Single	-	0.09	0.1	0.14	4.2	1.5	0.42
FDG329N	20	Single	-	0.09	0.115	-	3.3	1.5	0.42
FDG311N	20	Single	-	0.115	0.15	-	3	1.9	0.75
FDG6303N	25	Dual	-	0.45	0.6@2.7V	-	1.64	0.5	0.3
FDG6301N	25	Dual	-	4	5@2.7V	-	0.29	0.22	0.3
FDG313N	25	Single	-	0.45	0.6@2.7V	-	1.64	0.95	0.75
FDG315N	30	Single	0.12	0.16	-	-	2.1	2	0.75
FDG361N	100	Single	0.5	-	-	-	3.7	0.6	0.42
<b>SC70-6 Complementary N- and P-Channel</b>									
FDG6332C	20 -20	Complementary	-	0.3 0.42	0.4 0.63	-	1.1 1.4	0.7 0.6	0.3
FDG6321C	25 -25	Complementary	-	0.45 1.1	0.6@2.7V 1.5@2.7V	-	1.64 1.1	0.5 0.41	0.3
FDG6320C	25 -25	Complementary	-	4 10	5@2.7V 13@2.7V	-	0.29 0.22	0.22 0.14	0.3

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>SC70-6 Complementary N- and P-Channel (cont.)</b>									
FDG6322C	25 -25	Complementary	-	4 1.1	5@2.7V 1.5@2.7V	-	1.1 1.4	0.22 0.41	0.3
<b>SC70-6 P-Channel</b>									
FDG316P	-30	Single	0.19	0.3	-	-	3.5	1.6	0.75
FDG6304P	-25	Dual	-	1.1	1.5@2.7V	-	1.1	0.41	0.3
FDG6302P	-25	Dual	-	10	13@2.7V	-	0.22	0.14	0.3
FDG314P	-25	Single	-	1.1	1.5@2.7V	-	1.1	0.65	0.75
FDG6308P	-20	Dual	-	0.4	0.55	0.8	1.8	0.6	0.3
FDG6306P	-20	Dual	-	0.42	0.63	-	1.4	0.6	0.3
FDG6318P	-20	Dual	-	0.78	1.2	-	0.86	0.5	0.3
FDG6318PZ	-20	Dual	-	0.78	1.2	-	1.08	0.5	0.3
FDG326P	-20	Single	-	0.14	0.18	0.25	4.4	1.5	0.75
FDG318P	-20	Single	Use FDG328P						
FDG328P	-20	Single	-	0.145	0.21	-	3.7	1.5	0.75
FDG312P	-20	Single	-	0.18	0.25	-	3.3	1.2	0.75
FDG6316P	-12	Dual	-	0.27	0.36	0.65	1.7	0.7	0.3
FDG330P	-12	Single	-	0.11	0.15	0.215	5	2	0.75
<b>SC75-6 FLMP P-Channel</b>									
FDJ129P	-20	Single	-	0.07	0.12	-	4	4.2	1.6
<b>SuperSOT-3/SOT-23 N-Channel</b>									
FDN339AN	20	Single	-	0.035	0.05	-	7	3	0.5
FDN371N	20	Single	-	0.05	0.06	-	7.6	2.5	0.5
FDN327N	20	Single	-	0.07	0.08	0.12	4.5	2	0.5
FDN335N	20	Single	-	0.07	0.1	-	3.5	1.7	0.5
NDS335N	20	Single	-	0.11	0.14@2.7V	-	6.4	1.7	0.5
NDS331N	20	Single	-	0.16	0.21@2.7V	-	3.5	1.3	0.5
FDV305N	20	Single	-	0.22	0.3	-	1.1	0.9	0.35
FDV303N	25	Single	-	0.45	0.6@2.7V	-	1.64	0.68	0.35
FDV301N	25	Single	-	4	5@2.7V	-	0.49	0.22	0.35
FDN359AN	30	Single	0.046	0.06	-	-	5	2.7	0.5
FDN337N	30	Single	-	0.065	0.082	-	7	2.2	0.5
FDN357N	30	Single	0.06	0.09	-	-	4.2	1.9	0.5
NDS355AN	30	Single	0.085	0.125	-	-	3.5	1.7	0.5
NDS355N	30	Single	Use NDS355AN						
FDN361AN	30	Single	0.1	0.15	-	-	2.1	1.8	0.5
NDS351AN	30	Single	0.16	0.25	-	-	1.9	1.2	0.5
NDS351N	30	Single	Use NDS351AN						
FDN372S	30	SyncFET	0.04	0.05	-	-	5.8	2.6	0.5
BSS138	50	Single	3.5	6	-	-	1.7	0.22	0.36
FDN5630	60	Single	0.1	-	-	-	7	1.7	0.5
2N7002MTF	60	Single	5	-	-	-	-	0.115	0.2
MMBF170	60	Single	5	-	-	-	1.7	0.5	0.3
NDS7002A	60	Single	2	3	-	-	1.7	0.28	0.3
2N7000	60	Single	5	5.3	-	-	1.7	0.2	0.4
2N7002	60	Single	7.5	7.5	-	-	1.7	0.12	0.2
BSS123	100	Single	6	-	-	-	1.4	0.17	0.36
<b>SuperSOT-3/SOT-23 P-Channel</b>									
NDS0605	-60	Single	5	-	-	-	1.8	0.18	0.36
FDN5618P	-60	Single	0.17	0.23	-	-	8.6	1.2	0.5
NDS0610	-60	Single	10	20	-	-	1.8	0.12	0.36
BSS84	-50	Single	10	-	-	-	0.9	0.13	0.36
FDN360P	-30	Single	0.03	0.125	-	-	6.2	2	0.5
NDH8502P	-30	Single	Use FDN360P						
FDN358P	-30	Single	0.125	0.2	-	-	4	1.5	0.5
NDS356AP	-30	Single	0.2	0.3	-	-	3.4	1.1	0.5

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating		
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)	
<b>SuperSOT-3/SOT-23 P-Channel (cont.)</b>										
NDS356P	-30	Single	Use NDS356AP							
NDS352AP	-30	Single	0.3	0.5	-	-	2	0.9	0.5	
NDS352P	-30	Single	Use NDS352AP							
FDV304P	-25	Single	-	1.1	1.5@2.7V	-	1.1	0.46	0.35	
FDV302P	-25	Single	-	10	13@2.7V	-	0.22	0.12	0.35	
FDN304P	-20	Single	-	0.052	0.07	0.1	12	2.4	0.5	
FDN304PZ	-20	Single	-	0.052	0.07	0.1	12	2.4	0.5	
FDN302P	-20	Single	-	0.055	0.08	-	9	2.4	0.5	
FDN340P	-20	Single	-	0.07	0.11	-	8	2	0.5	
FDN342P	-20	Single	-	0.08	0.13	-	6.3	2	0.5	
FDN338P	-20	Single	-	0.115	0.155	-	4.4	1.6	0.5	
FDN308P	-20	Single	-	0.125	0.19	-	3.8	1.5	0.5	
FDN336P	-20	Single	-	0.2	0.27	-	3.6	1.2	0.5	
NDS332P	-20	Single	-	0.3	0.41@2.7V	-	3.7	1	0.5	
FDN306P	-12	Single	-	0.04	0.05	0.08	12	2.6	0.5	
<b>MicroFET N-Channel</b>										
FDM3300NZ	20	Dual (Common Drain)	-	0.023	0.028	-	12	10	2.5	
<b>MicroFET P-Channel</b>										
FDM606P	-20	Single	-	0.026	0.033	0.052	20	6.8	1.92	
<b>SuperSOT-6/TSOP-6 FLMP N-Channel</b>										
FDC796N	30	Single	0.009	0.012	-	-	14	12.5	1.8	
FDC3616N	100	Single	0.07	-	-	-	23	3.7	1.8	
<b>SuperSOT-6/TSOP-6 FLMP P-Channel</b>										
FDC6036P	-20	Dual	-	0.044	0.064	0.095	10	5	1.5	
FDC697P	-20	Single	-	0.02	0.025	0.035	39	8	1.9	
FDC699P	-20	Single	-	0.022	0.03	-	27	7	1.9	
<b>SuperSOT-6/TSOP-6 N-Channel</b>										
FDC6401N	20	Dual	-	0.07	0.095	-	3.3	3	0.96	
FDC6305N	20	Dual	-	0.08	0.12	-	3.5	2.7	0.9	
FDC637AN	20	Single	-	0.024	0.032	-	10.5	6.2	1.6	
NDH831N	20	Single	Use FDC637AN							
FDC6303N	25	Dual	-	0.45	0.6@2.7V	-	1.64	0.68	0.9	
FDC6301N	25	Dual	-	4	5@2.7V	-	0.49	0.22	0.9	
FDC6561AN	30	Dual	0.095	0.145	-	-	2.1	2.5	0.9	
FDC645N	30	Single	0.026	0.03	-	-	13	5.5	1.6	
FDC655AN	30	Single	0.027	0.035	-	-	9	6.3	1.6	
FDC633N	30	Single	-	0.042	0.054	-	11	5.2	1.6	
FDC653N	30	Single	0.035	0.055	-	-	12	5	1.6	
NDC651N	30	Single	0.06	0.09	-	-	10	3.2	1.6	
NDC7002N	50	Dual	2	-	-	-	1	0.51	0.96	
FDC5612	60	Single	0.055	-	-	-	12.5	4.3	1.6	
FDC3512	80	Single	0.077	-	-	-	13	3	1.6	
FDC3601N	100	Dual	0.5	-	-	-	3.7	1	0.96	
FDC3612	100	Single	0.125	-	-	-	14	2.6	1.6	
FDC2512	150	Single	0.425	-	-	-	8	1.4	1.6	
FDC2612	200	Single	0.725	-	-	-	8	1.1	1.6	
<b>SuperSOT-6/TSOP-6 Complementary N- and P-Channel</b>										
FDC6420C	20	Complementary	-	0.07	0.095	-	3.3	3	0.96	
	-20				0.125	0.19		3.7	2.2	
FDC6327C	20	Complementary	-	0.08	0.12	-	3.25	2.7	0.96	
	-20				0.17	0.25		2.85	1.9	
FDC6320C	25	Complementary	-	-	5@2.7V	-	0.29	0.22	0.9	
	-25					13@2.7V		0.23	0.12	

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			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>SuperSOT-6/TSOP-6 Complementary N- and P-Channel (cont.)</b>									
FDC6322C	25 -25	Complementary	-	-	5@2.7V 1.5@2.7V	-	0.49 1	0.22 0.46	0.9
FDC6321C	25 -25	Complementary	-	0.45 1.1	-	-	1.64 1.1	0.68 0.46	0.9
FDC6432SH	30 -12	Complementary	0.09	0.105	0.125	0.22	2.5 5.7	2.4 -2.5	1.3
FDC6333C	30 -30	Complementary	0.095 0.15	0.15 0.22	-	-	4.7 4.1	2.5 2	0.96
NDC7001C	60 -60	Complementary	2 5	4 7.5	-	-	1.1 1.6	0.51 0.34	0.96
<b>SuperSOT-6/TSOP-6 P-Channel</b>									
NDC7003P	-60	Dual	5	7	-	-	1.6	0.34	0.96
FDC5614P	-60	Single	0.105	0.135	-	-	15	3	1.6
FDC6506P	-30	Dual	0.17	0.28	-	-	2.3	1.8	0.96
FDC658P	-30	Single	0.05	0.075	-	-	8	4	1.6
FDC654P	-30	Single	0.075	0.125	-	-	6.2	3.6	1.6
NDC652P	-30	Single	0.11	0.18	-	-	10.5	2.4	1.6
FDC6304P	-25	Dual	-	1.1	1.5@2.7V	-	1.1	0.46	0.9
FDC6302P	-25	Dual	-	10	13@2.7V	-	0.22	0.12	0.9
FDC6312P	-20	Dual	-	0.115	0.155	0.225	4.4	2.3	0.96
FDC6310P	-20	Dual	-	0.125	0.19	-	3.7	2.2	0.96
FDC6306P	-20	Dual	-	0.17	0.25	-	3	1.9	0.96
FDC6308P	-20	Dual	Use FDC6306P						
FDC604P	-20	Single	-	0.033	0.043	0.06	19	5.5	1.6
FDC602P	-20	Single	-	0.035	0.05	-	14	5.5	1.6
FDC638P	-20	Single	-	0.048	0.065	-	10	4.5	1.6
FDC640P	-20	Single	-	0.053	0.08	-	9	4.5	1.6
FDC642P	-20	Single	-	0.065	0.1	-	7.2	4	1.6
FDC634P	-20	Single	-	0.08	0.11	-	7.2	3.5	1.6
FDC636P	-20	Single	-	0.13	0.18	-	6	2.8	1.6
FDC6318P	-12	Dual	-	0.09	0.125	0.2	5.4	2.5	0.96
FDC606P	-12	Single	-	0.026	0.035	0.053	18	6	1.6
<b>TSSOP-8 N-Channel</b>									
FDW2501NZ	20	Dual	-	0.018	0.025	-	12	5.5	1
FDW2501N	20	Dual	-	0.018	0.028	-	14	6	1
FDW2503NZ	20	Dual	-	0.02	0.026	-	12	5.5	1
FDW2503N	20	Dual	-	0.021	0.035	-	12	5.5	1
FDW9926A	20	Dual	-	0.032	0.045	-	6	4.5	1
FDW2507N	20	Dual	-	0.019	0.023	-	20	7.5	1.6
FDW2507NZ	20	Dual (Common Drain)	-	0.019	0.023	-	20	7.5	1.6
FDW2509NZ	20	Dual (Common Drain)	-	0.02	0.026	-	13	7.1	1.6
FDW2515NZ	20	Dual (Common Drain)	-	0.029	0.04	-	9	5.8	1.6
FDW2516NZ	20	Dual (Common Drain)	-	0.03	0.04	-	9	5.8	1.6
<b>TSSOP-8 Complementary N- and P-Channel</b>									
FDW2520C	20 -20	Complementary	-	0.018 0.035	0.028 0.057	-	14 14	6 4.4	1
FDW2521C	20 -20	Complementary	-	0.021 0.043	0.035 0.07	-	12 9.7	5.5 3.8	1

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			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TSSOP-8 P-Channel</b>									
FDW256P	-30	Single	0.0135	0.02	-	-	28	8	1.3
FDW2506P	-20	Dual	-	0.022	0.033	-	21	5.3	1
FDW2502P	-20	Dual	-	0.035	0.057	-	14	4.4	1
FDW2502PZ	-20	Dual	-	0.035	0.057	-	14	4.4	1
FDW2504P	-20	Dual	-	0.043	0.07	-	9.7	3.8	1
FDW254P	-20	Single	-	0.012	0.015	0.0215	60	9.2	1.3
FDW254PZ	-20	Single	-	0.012	0.015	0.0215	60	9.2	1.4
FDW252P	-20	Single	-	0.0125	0.018	-	41	8.8	1.3
FDW262P	-20	Single	-	0.047	0.065	0.1	13	4.5	1.3
FDW2508P	-12	Dual	-	0.018	0.022	0.03	26	6	1.3
FDW258P	-12	Single	-	0.011	0.014	0.02	61	9	1.3
<b>SuperSOT-8 N-Channel</b>									
FDR8305N	20	Dual	-	0.022	0.028	-	16.2	4.5	0.8
FDR6580	20	Single	-	0.009	0.011	-	34	11.2	1.8
FDR6674A	30	Single	0.0085	0.0095	-	-	33	11.5	1.8
FDR4420A	30	Single	0.009	0.013	-	-	23	11	1.8
FDR6678A	30	Single	0.02	0.024	-	-	13	7.5	1.8
<b>SuperSOT-8 Complementary N- and P-Channel</b>									
FDR8702H	20	Complementary	-	0.038	0.054	-	7	3.6	0.8
	-20		0.08	0.11	-	6	-2.6		
<b>SuperSOT-8 P-Channel</b>									
FDR8508P	-30	Dual	0.05	0.075	-	-	8	3	0.8
FDR856P	-30	Single	Use FDR858P						
FDR858P	-30	Single	0.019	0.028	-	-	21	8	1.8
FDR8308P	-20	Dual	-	0.05	0.07	-	13	3.2	0.8
NDH8302P	-20	Dual	Use NDH8304P						
NDH8304P	-20	Dual	-	0.07	0.095@2.7V	-	16	2.7	0.8
FDR844P	-20	Single	-	0.011	0.014	0.02	53	10	1.8
FDR840P	-20	Single	-	0.011	0.016	-	41	10	1.8
FDR836P	-20	Single	Use FDR838P						
FDR838P	-20	Single	-	0.017	0.024	-	30	8	1.8
NDH834P	-20	Single	Use FDR838P						
NDH832P	-20	Single	-	0.06	0.08@2.7V	-	18	4.2	1.8
FDR842P	-12	Single	-	0.009	0.012	0.016	57	11	1.8
<b>SO-8 FLMP N-Channel</b>									
FDS6064N7	20	Single	-	0.0035	0.004	0.006	70	23	3
FDS7062N7	20	Single	Use FDS6064N7						
FDS6162N7	20	Single	-	0.0035	0.005	-	52	23	3
FDS6064N3	20	Single	-	0.004	0.005	0.007	70	23	3
FDS6162N3	20	Single	-	0.0045	0.006	-	52	21	3
FDS7064N7	30	Single	-	0.007	-	-	30	16.5	3
FDS7064N	30	Single	-	0.0075	-	-	30	16	3
FDS7088N7	30	Single	0.003	0.004	-	-	37	23	3
FDS7088N3	30	Single	0.004	0.0055	-	-	34	21	3
FDS7066N7	30	Single	0.0045	0.0055	-	-	43	23	3
FDS7060N7	30	Single	0.005	0.007	-	-	35	19	3
FDS7066N3	30	Single	0.0055	0.0065	-	-	43	23	3
FDS7082N3	30	Single	0.006	0.008	-	-	38	17.5	3
FDS7096N3	30	Single	0.009	0.012	-	-	16	14	3
FDS7066SN3	30	SyncFET	0.0055	0.006	-	-	41	19	3
FDS7064SN3	30	SyncFET	0.008	0.0095	-	-	25	16	3.13
FDS4070N7	40	Single	0.007	-	-	-	47	15.3	3
FDS4070N3	40	Single	0.0075	-	-	-	47	15.3	3
FDS4072N7	40	Single	0.009	0.011	-	-	33	12.4	3
FDS4080N7	40	Single	0.01	-	-	-	30	13	3.9

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>SO-8 FLMP N-Channel (cont.)</b>									
FDS4072N3	40	Single	0.01	0.012	-	-	33	12.4	3
FDS4080N3	40	Single	0.0105	-	-	-	30	13	3.9
FDS5170N7	60	Single	0.012	-	-	-	51	10.6	3
FDS3170N7	100	Single	0.026	-	-	-	55	6.7	3
FDS2070N3	150	Single	0.078	-	-	-	38	4.1	3
FDS2070N7	150	Single	0.078	-	-	-	38	4.1	3
FDS2170N3	200	Single	0.128	-	-	-	26	3	3
FDS2170N7	200	Single	0.128	-	-	-	26	3	3
<b>SO-8 FLMP P-Channel</b>									
FDS7079ZN3	-30	Single	0.0075	0.0115	-	-	39	16	3.13
<b>SO-8 N-Channel</b>									
FDS6898A	20	Dual	-	0.014	0.018	-	16	9.4	2
FDS6898AZ	20	Dual	-	0.014	0.018	-	16	9.4	2
FDS6894A	20	Dual	-	0.017	0.02	0.03	17	8	2
FDS6894AZ	20	Dual	-	0.017	0.02	0.03	14	8	2
FDS6890A	20	Dual	-	0.018	0.022	-	23	7.5	2
FDS6892A	20	Dual	-	0.018	0.024	-	12	7.5	2
FDS6892AZ	20	Dual	-	0.018	0.024	-	12	7.5	2
FDS6812A	20	Dual	-	0.022	0.035	-	12	6.7	2
FDS9926A	20	Dual	-	0.03	0.043	-	7	6.5	2
FDS6574A	20	Single	-	0.006	0.007	0.009	75	16	2.5
FDS6572A	20	Single	-	0.006	0.008	-	57	16	2.5
FDS6570A	20	Single	-	0.0075	0.01	-	47	15	2.5
SI4466DY	20	Single	-	0.0075	0.01	-	47	15	2.5
NDS8426A	20	Single	-	0.0135	.016@2.7V	-	43	10.5	2.5
NDS8425	20	Single	-	0.022	.028@2.7V	-	11	7.4	2.5
FDS6982	30	Dual	0.015	0.02	-	-	18.5	8.6	2
	30		0.028	0.035	-	-	8.5	6.3	
FDS6990A	30	Dual	0.018	0.023	-	-	17	7.5	2
FDS8926A	30	Dual	-	0.03	0.038	-	19.8	5.5	2
FDS6912A	30	Dual	0.028	0.035	-	-	9	6	2
FDS8936A	30	Dual	0.028	0.04	-	-	19	6	2
FDS6912	30	Dual	0.028	0.042	-	-	7	6	2
FDS6930A	30	Dual	0.04	0.055	-	-	5	5.5	2
NDS9936	30	Dual	Use FDS6930A						
NDS9956A	30	Dual	0.08	0.11	-	-	9.5	3.7	2
FDS6961A	30	Dual	0.09	0.14	-	-	2.1	3.5	2
FDS6982S	30	Dual (MOSFET & SyncFET)	0.016	0.022	-	-	17.5	8.6	2
	30		0.028	0.035	-	-	8.5	6.3	
FDS6984S	30	Dual (MOSFET & SyncFET)	0.019	0.028	-	-	11	8.5	2
	30		0.04	0.055	-	-	5	5.5	
FDS6994S	30	Dual (MOSFET & SyncFET)	0.021	0.026	-	-	8	6.9	2
	30		0.015	0.0175	-	-	25	8.2	
FDS6986S	30	Dual (MOSFET & SyncFET)	0.029	0.038	-	-	6.5	6.5	2
	30		0.02	0.028	-	-	11	7.9	
FDS6900S	30	Dual (MOSFET & SyncFET)	0.03	0.037	-	-	8	6.9	2
	30		0.022	0.029	-	-	12	8.2	
FDS6990S	30	Dual SyncFET	0.022	0.03	-	-	11	7.5	2
FDS7788	30	Single	0.004	0.005	-	-	37	18	2.5
FDS7766	30	Single	0.005	0.006	-	-	43	17	2.5
FDS7764A	30	Single	-	0.0075	-	-	29	15	2.5
FDS7760A	30	Single	0.0055	0.008	-	-	37	15	2.5
FDS6688	30	Single	0.006	0.007	-	-	40	16	2.5



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			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>SO-8 N-Channel (cont.)</b>									
FDS6676	30	Single	0.007	0.008	-	-	45	14.5	2.5
FDS6688A	30	Single	Use FDS6676						
FDS6682	30	Single	0.0075	0.009	-	-	22	14	2.5
FDS6672A	30	Single	0.008	0.0095	-	-	33	12.5	2.5
FDS6670A	30	Single	0.008	0.01	-	-	35	13	2.5
FDS6644	30	Single	0.0085	0.0105	-	-	25	13	2.5
FDS7796	30	Single	0.009	0.012	-	-	16	13	2.5
FDS6680A	30	Single	0.0095	0.013	-	-	23	12.5	2.5
FDS6680	30	Single	0.01	0.015	-	-	19	11.5	2.5
ISL9N311ASK8T	30	Single	Use FDS6680						
FDS6694	30	Single	0.011	0.0135	-	-	13	12	2.5
FDS6294	30	Single	0.0113	0.0144	-	-	10	13	3
FDS6692	30	Single	0.012	0.0145	-	-	18	12	2.5
FDS6690A	30	Single	0.0125	0.017	-	-	17	11	2.5
ISL9N312ASK8T	30	Single	Use FDS6690A						
ISL9N316ASK8T	30	Single	Use FDS6690A						
FDS4410	30	Single	0.0135	0.02	-	-	13	10	2.5
FDS6690	30	Single	0.0135	0.02	-	-	13	10	2.5
FDS6614A	30	Single	0.018	0.025	-	-	12	9.3	2.5
FDS6678A	30	Single	0.02	0.024	-	-	13	7.5	2.5
FDS4488	30	Single	0.022	0.03	-	-	9.5	7.9	2.5
FDS6612A	30	Single	0.022	0.03	-	-	9	8.4	2.5
HUF76112SK8T	30	Single	Use FDS6612A						
HUF76121SK8	30	Single	Use FDS6612A						
ISL9N322ASK8T	30	Single	Use FDS6612A						
FDS9412	30	Single	0.022	0.036	-	-	9	7.9	2.5
FDS6630A	30	Single	0.038	0.053	-	-	5	6.5	2.5
FDS6676S	30	SyncFET	0.0052	0.006	-	-	43	14.5	2.5
FDS7766S	30	SyncFET	0.0055	0.0065	-	-	41	17	2.5
FDS7764S	30	SyncFET	0.0075	0.009	-	-	25	13.5	2.5
FDS6670S	30	SyncFET	0.009	0.0125	-	-	24	13.5	2.5
FDS6680S	30	SyncFET	0.011	0.017	-	-	17	11.5	2.5
FDS6690S	30	SyncFET	0.016	0.025	-	-	17	10	2.5
FDS4672A	40	Single	-	0.013	-	-	35	11	2.5
FDS4470	40	Single	0.009	-	-	-	45	12.5	2.5
FDS4770	40	Single	0.0105	-	-	-	47	13.2	2.5
FDS4780	40	Single	0.0105	-	-	-	30	10.8	2.5
FDS4480	40	Single	0.012	-	-	-	29	10.8	2.5
SSD2009A	50	Dual	0.13	0.2	-	-	19	3	2
SSD2007A	50	Dual	0.3	0.5@5V	-	-	11.5	2	2
HUFA76413DK8	60	Dual	0.049	0.056@5V	-	-	18	4.8	2.5
HUF76407DK8T	60	Dual	0.09	0.105	-	-	9.4	3.8	2.5
HUFA76407DK8T	60	Dual	0.09	0.105	-	-	9.4	3.8	2.5
FDS9945	60	Dual	0.1	0.2	-	-	8	3.5	2
SSD2025	60	Dual	0.1	0.2	-	-	15	3.3	2
FDS5670	60	Single	0.014	-	-	-	49	10	2.5
FDS5680	60	Single	0.02	-	-	-	30	8	2.5
FDS5690	60	Single	0.028	-	-	-	23	7	2.5
RF1K49154	60	Single	0.13	-	-	-	14	2	2
FDS3890	80	Dual	0.044	-	-	-	29	4.7	2
FDS3812	80	Dual	0.074	-	-	-	13	3.4	2
FDS3570	80	Single	0.019	-	-	-	54	9	2.5
FDS3580	80	Single	0.027	-	-	-	34	7.6	2.5

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<b>SO-8 N-Channel (cont.)</b>									
HUF75531SK8	80	Single	0.03	-	-	-	37	6	2.5
HUFA75531SK8	80	Single	0.03	-	-	-	37	6	2.5
FDS3590	80	Single	0.037	-	-	-	23	6.5	2.5
FDS3512	80	Single	0.07	-	-	-	13	4	2.5
FDS3992	100	Dual	0.062	-	-	-	11	4.5	2.5
FDS3912	100	Dual	0.125	-	-	-	14	3	2
FDS3601	100	Dual	0.48	-	-	-	3.7	1.3	2
FDS3672	100	Single	0.022	-	-	-	28	7.5	2.5
FDS3670	100	Single	Use FDS3682						
FDS3680	100	Single	Use FDS3682						
FDS3682	100	Single	0.035	-	-	-	19	6	2.5
HUF75631SK8	100	Single	0.039	-	-	-	35	5.5	2.5
HUFA75631SK8	100	Single	0.039	-	-	-	35	5.5	2.5
FDS3690	100	Single	Use FDS3692						
FDS3692	100	Single	0.06	-	-	-	11	4.5	2.5
FDS3612	100	Single	0.12	-	-	-	14	3.4	2.5
FDS2572	150	Single	0.047	-	-	-	29	4.9	2.5
FDS2582	150	Single	0.066	-	-	-	11	4.5	2.5
FDS2570	150	Single	Use HUF75831SK8T						
HUF75831SK8T	150	Single	0.095	-	-	-	35	3	2.5
HUFA75831SK8T	150	Single	0.095	-	-	-	35	3	2.5
FDS2670	200	Single	0.13	-	-	-	27	3	2.5
FQS4901	400	Dual	4.2	-	-	-	5.8	0.45	2
FQS4903	500	Dual	6.2	-	-	-	6.3	0.37	2
<b>SO-8 Complementary N- and P-Channel</b>									
FDS8928A	30 -20	Complementary	-	0.03 0.055	0.038 0.072	-	19.8 20	5.5 4	2
NDH8321C	30	Complementary	Use FDS8928A						
FDS4501H	30 -20	Complementary	0.018	0.046 0.023	0.063	-	17 13	9.3 5.6	2.5
FDS8958A	30 -30	Complementary	0.028 0.052	0.04 0.08	-	-	18 19	7 5	2
NDH8521C	30	Complementary	Use FDS8958A						
SI4532DY	30 -30	Complementary	0.065 0.085	0.095 0.19	-	-	3.7 5	3.9 3.5	2
NDS9952A	30 -30	Complementary	0.08 0.13	-	-	-	9.5 10	3.7 2.9	2
FDS8333C	30 -30	Complementary	0.08 0.13	0.13 0.2	-	-	4.7 4.1	4.1 3.4	2
NDS9958	30	Complementary	Use FDS8333C						
FDS4559	60 -60	Complementary	0.055 0.105	0.075 0.135	-	-	12.5 15	4.5 3.5	2
FQS4900	60 -300	Complementary	0.55 15.5	0.65@5V 16@5V	-	-	1.6 3.6	1.3 0.3	2
<b>SO-8 P-Channel</b>									
NDS9948	-60	Dual	0.25	0.5	-	-	9	2.3	2
SSD2011A	-60	Dual	0.28	0.5	-	-	23	2	2
FDS4675	-40	Single	0.013	0.017	-	-	40	11	2.4
FDS4935	-30	Dual	0.023	0.035	-	-	15	7	2
FDS4935A	-30	Dual	0.023	0.035	-	-	15	7	2
FDS6975	-30	Dual	0.032	0.045	-	-	14.5	6	2
FDS8947A	-30	Dual	0.052	0.08	-	-	19	4	2
SI4953DY	-30	Dual	0.053	0.095	-	-	8	4.9	2
FDS6993	-30 -12	Dual	0.055	0.017 0.085	0.024	0.03	-	4.3 6.8	2

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			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>SO-8 P-Channel (cont.)</b>									
FDS4953	-30	Dual	0.055	0.095	-	-	6	5	2
FDS9953A	-30	Dual	0.13	0.2	-	-	2.5	2.9	2
NDS9953A	-30	Dual	Use FDS9953A						
FDS7779Z	-30	Single	0.0072	0.0115	-	-	70	16	3
FDS6679	-30	Single	0.009	0.013	-	-	71	13	2.5
FDS6679Z	-30	Single	0.009	0.013	-	-	67	13	2.5
FDS6675A	-30	Single	0.013	0.019	-	-	24	11	2.5
FDS6675	-30	Single	0.014	0.02	-	-	30	11	2.5
FDS4435A	-30	Single	0.017	0.025	-	-	21	9	2.5
FDS4435	-30	Single	0.02	0.035	-	-	17	8.8	2.5
FDS6685	-30	Single	0.02	0.035	-	-	19	8.8	2.5
FDS6609A	-30	Single	0.032	0.05	-	-	18	6	2.5
FDS9435A	-30	Single	0.05	0.08	-	-	10	5.3	2.5
NDS9435A	-30	Single	0.05	0.08	-	-	10	5.3	2.5
NDS9430	-30	Single	0.06	0.1	-	-	10	5.3	2.5
FDS9400A	-30	Single	0.13	0.2	-	-	2.4	3.4	2.5
NDS9400A	-30	Single	Use FDS9400A						
FDS6875	-20	Dual	-	0.03	0.04	-	23	6	2
FDS8934A	-20	Dual	-	0.055	0.072	-	20	4	2
FDS9933A	-20	Dual	-	0.075	0.105	-	8	3.8	2
NDS9933A	-20	Dual	-	0.14	0.2	-	6	2.8	2
RF1K49093	-20	Dual	Use NDS9933A						
FDS4465	-20	Single	-	0.0085	0.0105	0.014	86	13.5	2.5
FDS6575	-20	Single	-	0.013	0.017	-	50	10	2.5
FDS6576	-20	Single	-	0.014	0.02	-	43	11	2.5
FDS6375	-20	Single	-	0.024	0.032	-	23	8	2.5
FDS8433A	-20	Single	-	0.047	0.07	-	20	5	2.5
FDS9431A	-20	Single	-	0.13	0.18	-	6	3.5	2.5
<b>TO-92 N-Channel</b>									
BS270	60	Single	2	-	-	-	-	0.4	0.63
2N7000BU	60	Single	5	-	-	-	-	0.2	0.4
2N7000TA	60	Single	5	-	-	-	-	0.2	0.4
BS170	60	Single	5	-	-	-	-	0.5	0.83
SSN1N45B	450	Single	4.25	-	-	-	6.5	0.5	0.9
<b>SOT-223 N-Channel</b>									
NDT453N	30	Single	0.028	0.042	-	-	28	8	3
FDT439N	30	Single	-	0.045	0.058	-	10.7	6.3	3
NDT451AN	30	Single	0.035	0.05	-	-	19	7.2	3
FDT459N	30	Single	0.035	0.055	-	-	12	6.5	3
FDT457N	30	Single	0.06	0.09	-	-	4.2	5	3
HUF75309T3ST	55	Single	0.07	-	-	-	10.7	3	1.1
HUFA75309T3ST	55	Single	0.07	-	-	-	10.7	3	1.1
HUF75307T3ST	55	Single	0.09	-	-	-	8.3	2.6	1.1
NDT3055	60	Single	0.1	-	-	-	9	4	3
FQT13N06L	60	Single	0.11	0.14@5V	-	-	4.8	2.8	2.1
FQT13N06	60	Single	0.14	-	-	-	5.8	2.8	2.1
FDT3612	100	Single	0.12	-	-	-	14	3.7	3
IRFM120A	100	Single	0.2	-	-	-	16	2.3	2.4
FQT7N10	100	Single	0.35	-	-	-	5.8	1.7	2
IRLM120A	100	Single	-	0.22@5V	-	-	10.2	2.3	2.7
FQT7N10L	100	Single	0.35	0.38@5V	-	-	4.6	1.7	2
IRLM110A	100	Single	-	0.44@5V	-	-	5.5	1.5	2.2
IRFM110A	100	Single	0.4	-	-	-	8.5	1.5	2
IRFM220B	200	Single	0.8	-	-	-	12	1.1	2.4
FQT4N20L	200	Single	1.35	1.4@5V	-	-	4	0.85	2.2

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating		
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)	
<b>SOT-223 N-Channel (cont.)</b>										
IRLM210A	200	Single	-	1.5@5V	-	-	6.1	0.77	1.8	
FQT4N20	200	Single	1.4	-	-	-	5	0.85	2.2	
IRFM210B	200	Single	1.5	-	-	-	7.2	0.77	2	
IRFM224B	250	Single	1.1	-	-	-	13.5	0.92	2.5	
FQT4N25	250	Single	1.75	-	-	-	4.3	0.83	2.5	
IRFM214B	250	Single	2	-	-	-	8.1	0.64	2.1	
<b>SOT-223 P-Channel</b>										
FQT2P25	-250	Single	4	-	-	-	6.5	0.55	2.5	
SFM9214	-250	Single	4	-	-	-	9	0.45	1.6	
FQT3P20	-200	Single	2.7	-	-	-	6	0.67	2.5	
SFM9210	-200	Single	3	-	-	-	9	0.5	1.6	
FQT5P10	-100	Single	1.05	-	-	-	6.3	1	2	
SFM9110	-100	Single	1.2	-	-	-	9	1	2.5	
NDT2955	-60	Single	0.3	0.5	-	-	11	2.5	3	
SFM9014	-60	Single	0.5	-	-	-	9	1.8	2.8	
NDT456P	-30	Single	0.03	0.045	-	-	47	7.5	3	
NDT454P	-30	Single	0.05	0.09	-	-	29	5.9	3	
NDT452AP	-30	Single	0.065	0.1	-	-	22	5	3	
RFT2P03LT	-30	Single	Use NDT452AP							
FDT458P	-30	Single	0.13	0.2	-	-	2.5	3.4	3	
FDT434P	-20	Single	-	0.05	0.07	-	13	6	3	
<b>SO-14 N-Channel</b>										
FDQ7698S	30	Dual (MOSFET & SyncFET)	0.012	0.016	-	-	12	12	2.4	
	30		0.0075	0.009			43	15		
FDQ7244S	30	Dual (MOSFET & SyncFET)	0.0145	0.016	-	-	33	11	2.4	
	30		0.0095	0.0105			48	14		
<b>TO-92L N-Channel</b>										
IRFNL210B	200	Single	1.5	-	-	-	7.2	1	3.1	
FQNL2N50B	500	Single	5.3	-	-	-	6	0.35	1.5	
FQNL1N50B	500	Single	9	-	-	-	4	0.27	1.5	
<b>TO-251(IPAK) N-Channel</b>										
FDU3706	20	Single	0.009	0.011	0.016	-	16	50	44	
FDU6512A	20	Single	-	0.021	0.031	-	12	36	43	
ISL9N306AD3	30	Single	0.006	0.0095	-	-	30	50	125	
FDU6682	30	Single	0.0062	0.008	-	-	24	75	71	
ISL9N308AD3	30	Single	0.008	-	-	-	24	50	100	
FDU6696	30	Single	0.008	0.0107	-	-	17	50	52	
FDU6644	30	Single	0.0085	0.0105	-	-	25	67	68	
FDU6296	30	Single	0.0088	0.0113	-	-	22.5	50	52	
FDU6680A	30	Single	0.0095	0.013	-	-	23	56	60	
FDU703OBL	30	Single	0.0095	0.013	-	-	23	56	60	
FDU6692	30	Single	0.012	0.0145	-	-	18	54	57	
ISL9N312AD3	30	Single	0.012	0.02	-	-	13	50	75	
ISL9N315AD3	30	Single	0.015	0.028	-	-	18	30	55	
FDU603OBL	30	Single	0.016	0.022	-	-	22	42	50	
FDU6612A	30	Single	0.02	0.028	-	-	9	30	36	
HUFA75329D3	55	Single	0.026	-	-	-	32	20	128	
HUFA75321D3	55	Single	0.036	-	-	-	21	20	93	
HUFA75309D3	55	Single	0.07	-	-	-	11	19	55	
HUFA75307D3	55	Single	0.09	-	-	-	9	15	45	
HUFA76429D3	60	Single	0.023	0.027	-	-	38	20	110	
HUF76423D3	60	Single	0.032	0.037	-	-	28	20	85	
HUFA76423D3	60	Single	0.032	0.037	-	-	28	20	85	
HUF76419D3	60	Single	0.037	0.043	-	-	23	20	75	
HUFA76419D3	60	Single	0.037	0.043	-	-	23	20	75	

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-251(IPAK) N-Channel (cont.)</b>									
FQU30N06L	60	Single	0.039	0.047@5V	-	-	15	24	44
FQU30N06	60	Single	0.045	-	-	-	19	22.7	44
HUF76413D3	60	Single	0.049	0.056	-	-	17	20	60
HUFA76413D3	60	Single	0.049	0.056	-	-	17	20	60
FQU20N06L	60	Single	0.06	0.075@5V	-	-	9.5	17.2	38
FQU20N06	60	Single	0.063	-	-	-	11.5	16.8	38
HUF76409D3	60	Single	0.063	0.071	-	-	12	18	49
HUFA76409D3	60	Single	0.063	0.071	-	-	12	18	49
HUF76407D3	60	Single	0.092	0.107	-	-	9.4	12	38
HUFA76407D3	60	Single	0.092	0.107	-	-	9.4	12	38
FQU13N06L	60	Single	0.11	0.14@5V	-	-	4.8	11	28
FQU13N06	60	Single	0.14	-	-	-	5.8	10	28
FDU3580	80	Single	0.029	-	-	-	35	7.7	42
FQU24N08	80	Single	0.06	-	-	-	19	19.6	50
FQU17N08L	80	Single	0.1	0.115@5V	-	-	8.8	12.9	40
FQU9N08	80	Single	0.21	-	-	-	5.9	7.4	25
FQU9N08L	80	Single	0.21	0.23@5V	-	-	4.7	7.4	25
HUF76629D3	100	Single	0.052	0.054	-	-	38	20	110
HUFA76629D3	100	Single	0.052	0.054	-	-	38	20	110
HUF76619D3	100	Single	0.085	0.087	-	-	24	18	75
HUFA76619D3	100	Single	0.085	0.087	-	-	24	18	75
HUF75617D3	100	Single	0.09	-	-	-	18	16	64
HUFA75617D3	100	Single	0.09	-	-	-	18	16	64
FQU19N10	100	Single	0.1	-	-	-	19	15.6	50
FQU19N10L	100	Single	0.1	0.11@5V	-	-	14	15.6	50
IRLU130A	100	Single	-	0.12@5V	-	-	16.9	13	46
IRFU130A	100	Single	0.11	-	-	-	27	13	41
HUF76609D3	100	Single	0.16	0.165	-	-	13	10	49
HUFA76609D3	100	Single	0.16	0.165	-	-	13	10	49
FQU13N10	100	Single	0.18	-	-	-	12	10	40
FQU13N10L	100	Single	0.18	0.2@5V	-	-	8.7	10	40
IRLU120A	100	Single	-	0.22@5V	-	-	10.2	8.4	35
IRFU120A	100	Single	0.2	-	-	-	16	8.4	32
FQU7N10	100	Single	0.35	-	-	-	5.8	5.8	25
FQU7N10L	100	Single	0.35	0.38@5V	-	-	4.6	5.8	25
IRLU110A	100	Single	-	0.44@5V	-	-	5.5	4.7	22
IRFU110A	100	Single	0.4	-	-	-	8.5	4.7	20
FDU2572	150	Single	0.056	-	-	-	27	29	135
HUF75829D3	150	Single	0.11	-	-	-	31	18	110
HUF75823D3	150	Single	0.15	-	-	-	23	14	85
FQU14N15	150	Single	0.21	-	-	-	18	10	50
FQU9N15	150	Single	0.4	-	-	-	10	7	45
FQU5N15	150	Single	0.8	-	-	-	5.4	4.3	30
FQU18N20V2	200	Single	0.14	-	-	-	20	15	83
FQU12N20	200	Single	0.28	-	-	-	18	9	55
FQU12N20L	200	Single	0.28	0.32@5V	-	-	16	9	55
FQU10N20	200	Single	0.36	-	-	-	13.5	7.6	51
FQU10N20L	200	Single	0.36	0.38@5V	-	-	13	7.6	51
IRLU230A	200	Single	-	0.4@5V	-	-	18.6	7.5	48
IRFU230B	200	Single	0.4	-	-	-	22	7.5	50
FQU7N20	200	Single	0.69	-	-	-	8	5.3	45
FQU7N20L	200	Single	0.75	0.78@5V	-	-	6.8	5.5	45
IRFU220B	200	Single	0.8	-	-	-	12	4.6	40
FQU5N20	200	Single	1.2	-	-	-	6	3.8	37
FQU5N20L	200	Single	1.2	1.25@5V	-	-	4.8	3.8	37

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-251(IPAK) N-Channel (cont.)</b>									
FQU4N20L	200	Single	1.35	1.4@5V	-	-	4	3.2	30
IRLU210A	200	Single	-	1.5@5V	-	-	6.1	2.7	21
FQU4N20	200	Single	1.4	-	-	-	5	3	30
IRFU210B	200	Single	1.5	-	-	-	7.2	2.7	26
FQU9N25	250	Single	0.42	-	-	-	15.5	7.4	55
IRFU234B	250	Single	0.45	-	-	-	29	6.6	49
FQU8N25	250	Single	0.55	-	-	-	12	6.2	50
FQU6N25	250	Single	1	-	-	-	6.6	4.4	45
IRFU224B	250	Single	1.1	-	-	-	13.5	3.8	42
FQU4N25	250	Single	1.75	-	-	-	4.3	3	37
IRFU214B	250	Single	2	-	-	-	8.1	2.2	25
FQU3N25	250	Single	2.2	-	-	-	4	2.4	30
FQU3N30	300	Single	2.2	-	-	-	5.5	2.4	30
FQU2N30	300	Single	3.7	-	-	-	3.7	1.7	25
IRFU330B	400	Single	1	-	-	-	25	4.5	48
FQU5N40	400	Single	1.6	-	-	-	10	3.4	45
IRFU320B	400	Single	1.75	-	-	-	14	3.1	41
FQU3N40	400	Single	3.4	-	-	-	6	2	30
IRFU310B	400	Single	3.4	-	-	-	7.7	1.7	26
FQU2N40	400	Single	5.8	-	-	-	4	1.4	25
IRFU430B	500	Single	1.5	-	-	-	25	3.5	48
FQU5N50	500	Single	1.8	-	-	-	13	3.5	50
IRFU420B	500	Single	2.6	-	-	-	14	2.3	41
FQU4N50	500	Single	2.7	-	-	-	10	2.6	45
FQU2N50B	500	Single	5.3	-	-	-	6	1.6	1.5
SSU1N50B	500	Single	5.5	-	-	-	8.3	1.3	26
FQU1N50	500	Single	9	-	-	-	4	1.1	25
FQU1N50B	500	Single	9	-	-	-	4	1.1	1.5
IRFU410B	500	Single	10	-	-	-	5.1	0.9	20
SSU4N60B	600	Single	2.5	-	-	-	22	2.8	49
FQU3N60	600	Single	3.6	-	-	-	10	2.4	50
FQU2N60	600	Single	4.7	-	-	-	9	2	45
SSU2N60B	600	Single	5	-	-	-	12.5	1.8	44
FQU1N60	600	Single	11.5	-	-	-	5	1	30
SSU1N60B	600	Single	12	-	-	-	5.9	0.9	28
FQU2N80	800	Single	6.3	-	-	-	12	1.8	50
FQU1N80	800	Single	20	-	-	-	5.5	1	45
FQU2N90	900	Single	7.2	-	-	-	12	1.7	50
<b>TO-251(IPAK) P-Channel</b>									
FQU3P50	-500	Single	4.9	-	-	-	18	2.1	50
FQU1P50	-500	Single	10.5	-	-	-	11	1.2	38
FQU4P40	-400	Single	3.1	-	-	-	18	2.7	50
FQU2P40	-400	Single	6.5	-	-	-	10	1.6	38
SFU9310	-400	Single	8	-	-	-	17	1.5	36
FQU6P25	-250	Single	1.1	-	-	-	21	4.7	55
FQU4P25	-250	Single	2.1	-	-	-	10	3.1	45
SFU9224	-250	Single	2.4	-	-	-	16	2.5	30
FQU2P25	-250	Single	4	-	-	-	6.5	2	37
SFU9214	-250	Single	4	-	-	-	9	1.5	19
SFU9230B	-200	Single	0.6	-	-	-	29	5.4	49
FQU7P20	-200	Single	0.69	-	-	-	19	5.7	55
FQU5P20	-200	Single	1.4	-	-	-	10	3.7	45
SFU9220	-200	Single	1.5	-	-	-	15	3.1	30
SFU9210	-200	Single	3	-	-	-	9	1.6	19
FQU12P10	-100	Single	0.29	-	-	-	21	9.4	50

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating		
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)	
<b>TO-251(IPAK) P-Channel (cont.)</b>										
SFU9130	-100	Single	0.3	-	-	-	30	9.8	57	
FQU8P10	-100	Single	0.53	-	-	-	12	6.6	44	
SFU9120	-100	Single	0.6	-	-	-	16	4.9	32	
FQU17P06	-60	Single	0.135	-	-	-	21	12	44	
SFU9034	-60	Single	0.14	-	-	-	30	14	49	
FQU11P06	-60	Single	0.185	-	-	-	13	9.4	38	
SFU9024	-60	Single	0.28	-	-	-	15	7.8	32	
SFU2955	-60	Single	0.3	-	-	-	15	7.6	32	
FQU7P06	-60	Single	0.45	-	-	-	6.3	5.4	28	
SFU9014	-60	Single	0.5	-	-	-	9	5.3	24	
<b>TO-252(DPAK) N-Channel</b>										
FDD3706	20	Single	0.009	0.011	0.016	-	16	50	44	
FDD6512A	20	Single	-	0.021	0.031	-	12	36	43	
FDD6530A	20	Single	-	0.032	0.047	-	6.5	21	33	
FDD6670AL	30	Single	0.005	0.006	-	-	37	84	83	
FDD6688	30	Single	0.005	0.006	-	-	37	84	83	
ISL9N306AD3ST	30	Single	0.006	0.0095	-	-	30	50	125	
FDD6682	30	Single	0.0062	0.008	-	-	24	75	71	
ISL9N307AD3ST	30	Single	0.007	0.0115	-	-	28	50	100	
FDD6676	30	Single	0.0075	0.0085	-	-	45	78	83	
FDD6672A	30	Single	0.008	0.0095	-	-	33	65	70	
FDD6670A	30	Single	0.008	0.01	-	-	35	66	70	
FDD6696	30	Single	0.008	0.0107	-	-	17	50	52	
FDD6644	30	Single	0.0085	0.0105	-	-	25	67	68	
FDD6296	30	Single	0.0088	0.0113	-	-	22.5	50	52	
FDD6680A	30	Single	0.0095	0.013	-	-	23	56	60	
FDD7030BL	30	Single	0.0095	0.013	-	-	23	56	60	
ISL9N310AD3ST	30	Single	0.01	0.015	-	-	17	35	70	
FDD6680	30	Single	0.011	0.017	-	-	17	55	60	
FDD6692	30	Single	0.012	0.0145	-	-	18	54	57	
ISL9N312AD3ST	30	Single	0.012	0.02	-	-	13	50	75	
ISL9N316AD3ST	30	Single	Use ISL9N312AD3ST							
FDD6035AL	30	Single	0.0125	0.016	-	-	17	46	50	
FDD6690A	30	Single	0.0125	0.016	-	-	17	46	50	
FDD6030L	30	Single	0.0145	0.021	-	-	36	50	60	
ISL9N315AD3ST	30	Single	0.015	0.028	-	-	18	30	55	
FDD6030BL	30	Single	0.016	0.022	-	-	22	42	50	
ISL9N318AD3ST	30	Single	0.018	0.03	-	-	8.6	30	55	
FDD6612A	30	Single	0.02	0.028	-	-	9	30	36	
RFD20N03SM	30	Single	Use FDD6612A							
ISL9N327AD3ST	30	Single	0.027	0.04	-	-	8.7	20	50	
FDD6630A	30	Single	0.035	0.05	-	-	5	21	28	
FDD6632	30	Single	0.09	0.104	-	-	2.6	9	15	
FDD6676S	30	SyncFET	0.006	0.0071	-	-	41	78	70	
FDD6644S	30	SyncFET	0.0085	0.01	-	-	25	66	57	
FDD6670S	30	SyncFET	0.009	0.0125	-	-	17	64	70	
FDD6680S	30	SyncFET	0.011	0.017	-	-	17	55	60	
FDD6690S	30	SyncFET	0.0167	0.0245	-	-	17	40	50	
RFD16N05LSM	50	Single	-	0.047	-	-	61	16	60	
HUFA75329D3S	55	Single	0.026	-	-	-	32	20	128	
HUFA75321D3S	55	Single	0.036	-	-	-	21	20	93	
HUF75309D3S	55	Single	0.07	-	-	-	11	19	55	
HUFA75309D3S	55	Single	0.07	-	-	-	11	19	55	
HUFA75307D3S	55	Single	0.09	-	-	-	9	15	45	
FDD10AN06A0	60	Single	0.0105	-	-	-	28	50	135	

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-252(DPAK) N-Channel (cont)</b>									
FDD14AN06LA0	60	Single	0.011	0.014@5V	-	-	25	50	125
FDD13AN06A0	60	Single	0.013	-	-	-	22	50	115
FDD5670	60	Single	0.015	-	-	-	49	48	70
FDD5680	60	Single	0.021	-	-	-	33	38	60
HUF76429D3S	60	Single	0.023	0.027	-	-	38	20	110
HUFA76429D3S	60	Single	0.023	0.027	-	-	38	20	110
HUFA75429D3ST	60	Single	0.025	-	-	-	36	20	125
FDD5690	60	Single	0.027	-	-	-	23	30	50
HUF76423D3S	60	Single	0.032	0.037	-	-	28	20	85
HUFA76423D3S	60	Single	0.032	0.037	-	-	28	20	85
HUF76419D3S	60	Single	0.037	0.043	-	-	23	20	75
HUFA76419D3S	60	Single	0.037	0.043	-	-	23	20	75
RFD16N06LESM	60	Single	-	0.047	-	-	51	16	90
FQD30N06L	60	Single	0.039	0.047@5V	-	-	15	24	44
FQD30N06	60	Single	0.045	-	-	-	19	22.7	44
HUF76413D3S	60	Single	0.049	0.056	-	-	17	20	60
HUFA76413D3S	60	Single	0.049	0.056	-	-	17	20	60
FDD5612	60	Single	0.055	-	-	-	7.5	18	42
FQD20N06L	60	Single	0.06	0.075@5V	-	-	9.5	17.2	38
FQD20N06LE	60	Single	0.06	0.075@5V	-	-	9.5	17.2	38
FQD20N06	60	Single	0.063	-	-	-	11.5	16.8	38
HUF76409D3S	60	Single	0.063	0.071	-	-	12	18	49
HUFA76409D3S	60	Single	0.063	0.071	-	-	12	18	49
RFD12N06RLESM	60	Single	0.063	0.075	-	-	12	18	49
HUF76407D3S	60	Single	0.092	0.107	-	-	9.4	12	38
HUFA76407D3S	60	Single	0.092	0.107	-	-	9.4	12	38
FQD13N06L	60	Single	0.11	0.14@5V	-	-	4.8	11	28
RFD4N06LSM	60	Single	-	0.6	-	-	6	4	30
FQD13N06	60	Single	0.14	-	-	-	7.5	10	28
FDD16AN08A0	75	Single	0.016	-	-	-	31	50	135
FDD3570	80	Single	0.019	-	-	-	54	10	69
FDD3580	80	Single	0.029	-	-	-	35	7.7	42
FQD24N08	80	Single	0.06	-	-	-	19	19.6	50
FQD17N08L	80	Single	0.1	0.115@5V	-	-	8.8	12.9	40
FQD17N08	80	Single	0.115	-	-	-	12	12.9	40
FQD9N08	80	Single	0.21	-	-	-	5.9	7.4	25
FQD9N08L	80	Single	0.21	0.23@5V	-	-	4.7	7.4	25
FDD3672	100	Single	0.028	-	-	-	24	44	135
FDD3670	100	Single	0.032	-	-	-	57	34	83
FDD3682	100	Single	0.036	-	-	-	18.5	32	95
FDD3680	100	Single	0.046	-	-	-	38	25	60
HUF76629D3S	100	Single	0.052	0.054	-	-	38	20	110
HUFA76629D3S	100	Single	0.052	0.054	-	-	38	20	110
FDD3690	100	Single	0.064	-	-	-	28	22	60
HUF76619D3S	100	Single	0.085	0.087	-	-	24	18	75
HUFA76619D3S	100	Single	0.085	0.087	-	-	24	18	75
HUF75617D3S	100	Single	0.09	-	-	-	18	16	64
HUFA75617D3S	100	Single	0.09	-	-	-	18	16	64
FQD19N10	100	Single	0.1	-	-	-	19	15.6	50
FQD19N10L	100	Single	0.1	0.11@5V	-	-	14	15.6	50
IRLR130A	100	Single	-	0.12@5V	-	-	16.9	13	46
IRFR130A	100	Single	0.11	-	-	-	27	13	41
HUF76609D3S	100	Single	0.16	0.165	-	-	13	10	49
HUFA76609D3S	100	Single	0.16	0.165	-	-	13	10	49
FQD13N10	100	Single	0.18	-	-	-	12	10	40



Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-252(DPAK) N-Channel (cont.)</b>									
FQD13N10L	100	Single	0.18	0.2@5V	-	-	8.7	10	40
IRLR120A	100	Single	-	0.22@5V	-	-	10.2	8.4	35
IRFR120A	100	Single	0.2	-	-	-	16	8.4	32
FQD7N10	100	Single	0.35	-	-	-	5.8	5.8	25
FQD7N10L	100	Single	0.35	0.38@5V	-	-	4.6	5.8	25
IRLR110A	100	Single	-	0.44@5V	-	-	5.5	4.7	22
IRFR110A	100	Single	0.4	-	-	-	8.5	4.7	20
FDD2572	150	Single	0.056	-	-	-	27	29	135
FDD2582	150	Single	0.077	-	-	-	19	21	310
FDD2570	150	Single	0.08	-	-	-	39	4.7	70
HUF75829D3S	150	Single	0.11	-	-	-	31	18	110
FDD120AN15A0	150	Single	0.12	-	-	-	11.2	14	65
HUF75823D3S	150	Single	0.15	-	-	-	23	14	85
FQD16N15	150	Single	0.16	-	-	-	23	11.8	55
FQD14N15	150	Single	0.21	-	-	-	18	10	50
FQD9N15	150	Single	0.4	-	-	-	10	7	45
FDD2512	150	Single	0.42	-	-	-	8	6.7	42
FQD6N15	150	Single	0.6	-	-	-	6.5	5.2	37
FQD5N15	150	Single	0.8	-	-	-	5.4	4.3	30
FDD2670	200	Single	0.13	-	-	-	27	3.6	70
FQD18N20V2	200	Single	0.14	-	-	-	20	15	83
HUF75925D3ST	200	Single	0.275	-	-	-	32	11	100
FQD12N20	200	Single	0.28	-	-	-	18	9	55
FQD12N20L	200	Single	0.28	0.32@5V	-	-	16	9	55
FQD10N20	200	Single	0.36	-	-	-	13.5	7.6	51
FQD10N20L	200	Single	0.36	0.38@5V	-	-	13	7.6	51
IRLR230A	200	Single	-	0.4@5V	-	-	18.6	7.5	48
FQD630	200	Single	0.4	-	-	-	19	7	46
IRFR230B	200	Single	0.4	-	-	-	22	7.5	50
FQD7N20	200	Single	0.69	-	-	-	8	5.3	45
FDD2612	200	Single	0.72	-	-	-	8	4.9	42
FQD7N20L	200	Single	0.75	0.78@5V	-	-	6.8	5.5	45
IRLR220A	200	Single	-	0.8@5V	-	-	10.3	4.6	33
IRFR220B	200	Single	0.8	-	-	-	12	4.6	40
FQD5N20	200	Single	1.2	-	-	-	6	3.8	37
FQD5N20L	200	Single	1.2	1.25@5V	-	-	4.8	3.8	37
FQD4N20L	200	Single	1.35	1.4@5V	-	-	4	3.2	30
IRLR210A	200	Single	-	1.5@5V	-	-	6.1	2.7	21
FQD4N20	200	Single	1.4	-	-	-	5	3	30
IRFR210B	200	Single	1.5	-	-	-	7.2	2.7	26
FQD9N25	250	Single	0.42	-	-	-	15.5	7.4	55
IRFR234B	250	Single	0.45	-	-	-	29	6.6	49
FQD8N25	250	Single	0.55	-	-	-	12	6.2	50
FQD6N25	250	Single	1	-	-	-	6.6	4.4	45
IRFR224B	250	Single	1.1	-	-	-	13.5	3.8	2.5
FQD4N25	250	Single	1.75	-	-	-	4.3	3	37
IRFR214B	250	Single	2	-	-	-	8.1	2.2	25
FQD3N25	250	Single	2.2	-	-	-	4	2.4	30
FQD7N30	300	Single	0.7	-	-	-	13	5.5	50
FQD5N30	300	Single	0.9	-	-	-	9.8	4.4	45
FQD3N30	300	Single	2.2	-	-	-	5.5	2.4	30
FQD2N30	300	Single	3.7	-	-	-	3.7	1.7	25
IRFR330B	400	Single	1	-	-	-	25	4.5	48
FQD6N40	400	Single	1.15	-	-	-	13	4.2	50
FQD5N40	400	Single	1.6	-	-	-	10	3.4	45

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating		
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)	
<b>TO-252(DPAK) N-Channel (cont.)</b>										
IRFR320B	400	Single	1.75	-	-	-	14	3.1	41	
FQD3N40	400	Single	3.4	-	-	-	6	2	30	
IRFR310B	400	Single	3.4	-	-	-	7.7	1.7	26	
FQD2N40	400	Single	5.8	-	-	-	4	1.4	25	
IRFR430B	500	Single	1.5	-	-	-	25	3.5	48	
FQD5N50	500	Single	1.8	-	-	-	13	3.5	50	
IRFR420	500	Single	Use IRFR420B							
IRFR420B	500	Single	2.6	-	-	-	14	2.3	41	
FQD4N50	500	Single	2.7	-	-	-	10	2.6	45	
FQD2N50	500	Single	5.3	-	-	-	6	1.6	30	
SSR1N50B	500	Single	5.5	-	-	-	8.3	1.3	26	
FQD1N50	500	Single	9	-	-	-	4	1.1	25	
SSR4N60B	600	Single	2.5	-	-	-	22	2.8	49	
FQD3N60	600	Single	3.6	-	-	-	10	2.4	50	
FQD2N60	600	Single	4.7	-	-	-	9	2	45	
SSR2N60B	600	Single	5	-	-	-	12.5	1.8	44	
FQD1N60	600	Single	11.5	-	-	-	5	1	30	
SSR1N60B	600	Single	12	-	-	-	5.9	0.9	28	
FQD2N80	800	Single	6.3	-	-	-	12	1.8	50	
FQD1N80	800	Single	20	-	-	-	5.5	1	45	
FQD2N90	900	Single	7.2	-	-	-	12	1.7	50	
FQD2N100	1000	Single	10	-	-	-	12	1.7	50	
<b>TO-252(DPAK) P-Channel</b>										
FQD3P50	-500	Single	4.9	-	-	-	18	2.1	50	
FQD1P50	-500	Single	10.5	-	-	-	11	1.2	38	
FQD4P40	-400	Single	3.1	-	-	-	18	2.7	50	
FQD2P40	-400	Single	6.5	-	-	-	10	1.6	38	
SFR9310	-400	Single	8	-	-	-	17	1.5	36	
FQD6P25	-250	Single	1.1	-	-	-	21	4.7	55	
FQD4P25	-250	Single	2.1	-	-	-	10	3.1	45	
SFR9224	-250	Single	2.4	-	-	-	16	2.5	30	
FQD2P25	-250	Single	4	-	-	-	6.5	2	37	
SFR9214	-250	Single	4	-	-	-	9	1.5	19	
SFR9230B	-200	Single	0.6	-	-	-	29	5.4	49	
FQD7P20	-200	Single	0.69	-	-	-	19	5.7	55	
FQD5P20	-200	Single	1.4	-	-	-	10	3.7	45	
IRFR9220	-200	Single	Use SFR9220							
SFR9220	-200	Single	1.5	-	-	-	15	3.1	30	
FQD3P20	-200	Single	2.7	-	-	-	6	2.4	37	
SFR9210	-200	Single	3	-	-	-	9	1.6	19	
FQD12P10	-100	Single	0.29	-	-	-	21	9.4	50	
SFR9130	-100	Single	0.3	-	-	-	30	9.8	57	
FQD8P10	-100	Single	0.53	-	-	-	12	6.6	44	
SFR9120	-100	Single	0.6	-	-	-	16	4.9	32	
FQD5P10	-100	Single	1.05	-	-	-	6.3	3.6	25	
SFR9110	-100	Single	1.2	-	-	-	9	2.8	20	
FDD5614P	-60	Single	0.1	0.13	-	-	15	15	42	
FQD17P06	-60	Single	0.135	-	-	-	21	12	44	
SFR9034	-60	Single	0.14	-	-	-	30	14	49	
FQD11P06	-60	Single	0.185	-	-	-	13	9.4	38	
SFR9024	-60	Single	0.28	-	-	-	15	7.8	32	
SFR2955	-60	Single	0.3	-	-	-	15	7.6	32	
FQD7P06	-60	Single	0.45	-	-	-	6.3	5.4	28	
SFR9014	-60	Single	0.5	-	-	-	9	5.3	24	

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating		
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)	
<b>DIP-8 Complementary N- and P-Channel</b>										
FQG4902	250 -250	Complementary	2 2	-	-	-	6 12	0.54 0.54	1.4	
FQG4904	400 -400	Complementary	3 3	-	-	-	7.6 20	0.46 0.46	1.6	
<b>TO-220 N-Channel</b>										
ISL9N302AP3	30	Single	0.0025	0.0033	-	-	110	75	345	
ISL9N303AP3	30	Single	0.0032	0.005	-	-	61	75	215	
FDP8030L	30	Single	0.0035	0.0045	-	-	120	80	187	
FDP7045L	30	Single	0.0045	0.006	-	-	50	100	125	
ISL9N304AP3	30	Single	0.0045	0.0075	-	-	38	75	145	
FDP6676	30	Single	0.006	0.0075	-	-	43	84	93	
ISL9N306AP3	30	Single	0.006	0.0095	-	-	30	75	125	
FDP6670AL	30	Single	0.0065	0.0085	-	-	24	80	68	
FDP7030L	30	Single	0.007	0.01	-	-	35	100	125	
ISL9N307AP3	30	Single	0.007	0.0115	-	-	28	75	100	
FDP7042L	30	Single	0.0075	0.009	-	-	32	50	83	
FDP7030BL	30	Single	0.009	0.012	-	-	23	60	65	
ISL9N310AP3	30	Single	0.01	0.015	-	-	17	62	70	
RFP70N03	30	Single	Use ISL9N310AP3							
FDP6035L	30	Single	0.011	0.019	-	-	34	58	75	
ISL9N312AP3	30	Single	0.012	0.02	-	-	13	58	75	
ISL9N316AP3	30	Single	Use ISL9N312AP3							
FDP6035AL	30	Single	0.0125	0.017	-	-	17	48	58	
FDP6030L	30	Single	0.0135	0.02	-	-	34	52	75	
FQP45N03L	30	Single	0.014	0.02	-	-	13	21	55	
FDB6603AL	30	Single	Use FDP6030BL							
FDP6030BL	30	Single	0.018	0.024	-	-	12	40	60	
HUF76009P3	30	Single	Use FDP6030BL							
HUF76107P3	30	Single	0.052	0.085	-	-	4.7	20	35	
FDP6676S	30	SyncFET	0.0065	0.008	-	-	40	76	70	
FDP6670S	30	SyncFET	0.0085	0.0105	-	-	23	62	62.5	
FDP6644S	30	SyncFET	0.01	0.012	-	-	27	55	60	
FDP6690S	30	SyncFET	0.0155	0.023	-	-	11	42	48	
HUF75229P3	50	Single	0.022	-	-	-	35	44	90	
BUZ11	50	Single	0.04	-	-	-	-	30	75	
HUF75345P3	55	Single	0.007	-	-	-	125	75	325	
HUFA75345P3	55	Single	0.007	-	-	-	125	75	325	
HUF75344P3	55	Single	0.008	-	-	-	90	75	285	
HUFA75344P3	55	Single	0.008	-	-	-	90	75	285	
HUF75343P3	55	Single	0.009	-	-	-	92	75	270	
HUFA75343P3	55	Single	0.009	-	-	-	92	75	270	
HUF75339P3	55	Single	0.012	-	-	-	60	75	200	
HUFA75339P3	55	Single	0.012	-	-	-	60	75	200	
HUF75337P3	55	Single	0.014	-	-	-	51	75	175	
HUFA75337P3	55	Single	0.014	-	-	-	51	75	175	
HUF75333P3	55	Single	0.016	-	-	-	40	66	150	
HUFA75333P3	55	Single	0.016	-	-	-	40	66	150	
HUF75332P3	55	Single	0.019	-	-	-	40	60	145	
HUFA75332P3	55	Single	0.019	-	-	-	40	60	145	
HUFA75329P3	55	Single	0.024	-	-	-	35	49	128	
HUF75329P3	55	Single	0.026	-	-	-	35	49	128	
HUF75321P3	55	Single	0.034	-	-	-	21	35	93	
HUFA75321P3	55	Single	0.034	-	-	-	21	35	93	
HUF75309P3	55	Single	0.07	-	-	-	11	19	55	
HUFA75309P3	55	Single	0.07	-	-	-	11	19	55	

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-220 N-Channel (cont.)</b>									
HUFA75307P3	55	Single	0.09	-	-	-	9	15	45
FDP038AN06A0	60	Single	0.0038	-	-	-	95	80	310
FDP050AN06A0	60	Single	0.005	-	-	-	61	80	245
HUF76445P3	60	Single	0.0065	0.0075	-	-	124	75	310
HUFA76445P3	60	Single	0.0065	0.0075	-	-	124	75	310
FDP070AN06A0	60	Single	0.007	-	-	-	51	15	175
HUF76443P3	60	Single	0.008	0.0095	-	-	107	75	260
HUFA76443P3	60	Single	0.008	0.0095	-	-	107	75	260
FDP5645	60	Single	0.0095	-	-	-	76	80	125
FQP85N06	60	Single	0.01	-	-	-	86	85	160
FDP10AN06A0	60	Single	0.0105	-	-	-	28	75	135
FDP14AN06LA0	60	Single	0.011	0.014@5V	-	-	24	61	125
HUF76439P3	60	Single	0.012	0.014	-	-	70	75	180
HUFA76439P3	60	Single	0.012	0.014	-	-	70	75	180
FDP13AN06A0	60	Single	0.013	-	-	-	22	64	115
HUFA76437P3	60	Single	0.014	0.017	-	-	59	71	155
FQP65N06	60	Single	0.016	-	-	-	48	65	150
HUF76432P3	60	Single	0.017	0.019	-	-	44	59	130
HUFA76432P3	60	Single	0.017	0.019	-	-	44	59	130
FDP20AN06A0	60	Single	0.02	-	-	-	15	45	90
FDP5680	60	Single	0.02	-	-	-	33	40	65
FQP55N06	60	Single	0.02	-	-	-	35	55	133
FQP50N06L	60	Single	0.021	0.025@5V	-	-	24.5	52	121
FQP50N06	60	Single	0.022	-	-	-	31	50	120
HUF76429P3	60	Single	0.022	0.025	-	-	38	47	110
HUFA76429P3	60	Single	0.022	0.025	-	-	38	47	110
FDP5690	60	Single	0.027	-	-	-	23	32	58
HUF76423P3	60	Single	0.03	0.035	-	-	28	35	85
HUFA76423P3	60	Single	0.03	0.035	-	-	28	35	85
HUF76419P3	60	Single	0.035	0.04	-	-	22	29	75
HUFA76419P3	60	Single	0.035	0.04	-	-	22	29	75
FQP30N06L	60	Single	0.035	0.045@5V	-	-	15	32	79
FQP30N06	60	Single	0.04	-	-	-	19	30	79
HUFA76413P3	60	Single	0.049	0.056	-	-	17	23	60
FQP20N06L	60	Single	0.055	0.07@5V	-	-	9.5	21	53
FQP20N06	60	Single	0.06	-	-	-	11.5	20	53
HUF76409P3	60	Single	0.062	0.07	-	-	12	18	49
HUFA76409P3	60	Single	0.062	0.07	-	-	12	18	49
HUF76407P3	60	Single	0.092	0.107	-	-	9.4	13	38
HUFA76407P3	60	Single	0.092	0.107	-	-	9.4	13	38
FQP13N06L	60	Single	0.11	0.14@5V	-	-	4.8	13.6	45
FQP13N06	60	Single	0.135	-	-	-	5.8	13	45
FDP047AN08A0	75	Single	0.0047	-	-	-	92	80	310
FDP060AN08A0	75	Single	0.006	-	-	-	99	80	285
FDP16AN08A0	75	Single	0.016	-	-	-	28	58	135
HUF75545P3	80	Single	0.01	-	-	-	105	75	270
HUFA75545P3	80	Single	0.01	-	-	-	105	75	270
HUF75542P3	80	Single	0.014	-	-	-	80	75	230
HUFA75542P3	80	Single	0.014	-	-	-	80	75	230
FQP90N08	80	Single	0.016	-	-	-	84	71	160
FQP70N08	80	Single	0.017	-	-	-	75	70	155
FQP58N08	80	Single	0.024	-	-	-	50	57	146
FQP44N08	80	Single	0.034	-	-	-	38	44	127
FQP24N08	80	Single	0.06	-	-	-	19	24	75
FQP17N08L	80	Single	0.1	0.115@5V	-	-	8.8	16.5	65

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-220 N-Channel (cont.)</b>									
FQP17N08	80	Single	0.115	-	-	-	12	16.5	65
FQP9N08	80	Single	0.21	-	-	-	5.9	9.3	40
FQP9N08L	80	Single	0.21	0.23@5V	-	-	4.7	9.3	40
FDP3632	100	Single	0.009	-	-	-	84	80	310
HUF75645P3	100	Single	0.014	-	-	-	106	75	310
HUFA75645P3	100	Single	0.014	-	-	-	106	75	310
HUF76645P3	100	Single	0.014	0.015	-	-	127	75	310
HUFA76645P3	100	Single	0.014	0.015	-	-	127	75	310
FDP3652	100	Single	0.016	-	-	-	44	61	150
FQP70N10	100	Single	0.025	-	-	-	85	57	160
HUF75639P3	100	Single	0.025	-	-	-	57	56	200
HUFA75639P3	100	Single	0.025	-	-	-	57	56	200
FQP55N10	100	Single	0.026	-	-	-	75	55	155
HUF76639P3	100	Single	0.026	0.027	-	-	71	51	180
HUFA76639P3	100	Single	0.026	0.027	-	-	71	51	180
HUF75637P3	100	Single	0.03	-	-	-	48	44	155
HUFA75637P3	100	Single	0.03	-	-	-	48	44	155
HUF76633P3	100	Single	0.035	0.036	-	-	56	39	145
HUFA76633P3	100	Single	0.035	0.036	-	-	56	39	145
FDP3682	100	Single	0.036	-	-	-	18.5	32	95
FQP44N10	100	Single	0.039	-	-	-	48	43.5	146
HUF75631P3	100	Single	0.04	-	-	-	35	33	120
HUFA75631P3	100	Single	0.04	-	-	-	35	33	120
IRF550A	100	Single	0.04	-	-	-	75	40	167
FQP33N10	100	Single	0.052	-	-	-	38	33	127
IRF540A	100	Single	0.052	-	-	-	60	28	107
FQP33N10L	100	Single	0.052	0.055@5V	-	-	30	33	127
IRL540A	100	Single	-	0.058@5V	-	-	38.4	28	121
HUF75623P3	100	Single	0.064	-	-	-	23	22	85
HUFA75623P3	100	Single	0.064	-	-	-	23	22	85
FQP19N10	100	Single	0.1	-	-	-	19	19	75
FQP19N10L	100	Single	0.1	0.11@5V	-	-	14	19	75
IRL530A	100	Single	-	0.12@5V	-	-	16.9	14	62
IRF530A	100	Single	0.11	-	-	-	27	14	55
FQP13N10	100	Single	0.18	-	-	-	12	12.8	65
FQP13N10L	100	Single	0.18	0.2@5V	-	-	8.7	12.8	65
IRL520A	100	Single	-	0.22@5V	-	-	10.2	9.2	49
IRF520A	100	Single	0.2	-	-	-	16	9.2	45
FQP7N10	100	Single	0.35	-	-	-	5.8	7.3	40
FQP7N10L	100	Single	0.35	0.38@5V	-	-	4.6	7.3	40
IRL510A	100	Single	-	0.44@5V	-	-	5.5	5.6	37
IRF510A	100	Single	0.4	-	-	-	8.5	5.6	33
FDP3672	105	Single	0.033	-	-	-	28	41	135
FDP2532	150	Single	0.016	-	-	-	86	79	310
FDP2552	150	Single	0.036	-	-	-	41	37	150
FDP42AN15A0	150	Single	0.042	-	-	-	30	35	150
FQP46N15	150	Single	0.042	-	-	-	85	45.6	210
HUF75842P3	150	Single	0.042	-	-	-	77	43	230
HUFA75842P3	150	Single	0.042	-	-	-	77	43	230
FDP2572	150	Single	0.056	-	-	-	27	29	135
FDP2570	150	Single	0.08	-	-	-	40	22	93
FQP28N15	150	Single	0.09	-	-	-	40	28	168
FDP120AN15A0	150	Single	0.12	-	-	-	11.2	14	65
FQP16N15	150	Single	0.16	-	-	-	23	16.4	108
FQP14N15	150	Single	0.21	-	-	-	18	14.4	104

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-220 N-Channel (cont.)</b>									
FQP9N15	150	Single	0.4	-	-	-	10	9	75
FQP6N15	150	Single	0.6	-	-	-	6.5	6.4	63
SSP45N20B	200	Single	0.065	-	-	-	133	35	176
FQP34N20	200	Single	0.075	-	-	-	60	31	180
FQP34N20L	200	Single	0.075	0.08@5V	-	-	55	31	180
IRL640A	200	Single	-	0.18@5V	-	-	40	18	110
IRF650B	200	Single	0.085	-	-	-	95	28	156
HUF75939P3	200	Single	0.125	-	-	-	64	22	180
FDP2670	200	Single	0.13	-	-	-	27	19	93
FQP18N20V2	200	Single	0.14	-	-	-	20	18	-
FQP19N20L	200	Single	0.14	0.15@5V	-	-	27	21	140
FQP19N20	200	Single	0.15	-	-	-	31	19.4	140
IRF640B	200	Single	0.18	-	-	-	45	18	139
HUF75925P3	200	Single	0.275	-	-	-	32	11	100
FQP12N20L	200	Single	0.28	0.32@5V	-	-	16	11.6	90
FQP10N20	200	Single	0.36	-	-	-	13.5	10	87
FQP10N20C	200	Single	0.36	-	-	-	20	9.5	72
FQP10N20L	200	Single	0.36	0.38@5V	-	-	13	10	87
IRL630A	200	Single	-	0.4@5V	-	-	18.6	9	69
FQP630	200	Single	0.4	-	-	-	19	9	78
IRF630B	200	Single	0.4	-	-	-	22	9	72
FQP7N20	200	Single	0.69	-	-	-	8	6.6	63
FQP7N20L	200	Single	0.75	0.78@5V	-	-	6.8	6.5	63
IRL620A	200	Single	-	0.8@5V	-	-	10.3	5	39
IRF620B	200	Single	0.8	-	-	-	12	5	47
FQP5N20	200	Single	1.2	-	-	-	6	4.5	52
FQP5N20L	200	Single	1.2	1.25@5V	-	-	4.8	4.5	52
FQP4N20L	200	Single	1.35	1.4@5V	-	-	4	3.8	45
IRL610A	200	Single	-	1.5@5V	-	-	6.1	3.3	33
FQP4N20	200	Single	1.4	-	-	-	5	3.6	45
IRF610B	200	Single	1.5	-	-	-	7.2	3.3	38
FQP27N25	250	Single	0.11	-	-	-	50	25.5	180
IRF654B	250	Single	0.14	-	-	-	95	15	156
FQP16N25	250	Single	0.23	-	-	-	27	16	142
IRF644B	250	Single	0.28	-	-	-	47	14	139
FQP9N25	250	Single	0.42	-	-	-	15.5	9.4	90
IRF634B	250	Single	0.45	-	-	-	29	8.1	74
FQP6N25	250	Single	1	-	-	-	6.6	5.5	63
IRF624B	250	Single	1.1	-	-	-	13.5	4.1	49
FQP4N25	250	Single	1.75	-	-	-	4.3	3.6	52
IRF614B	250	Single	2	-	-	-	8.1	2.8	40
FQP3N25	250	Single	2.2	-	-	-	4	2.8	45
FQP22N30	300	Single	0.16	-	-	-	47	21	170
FQP14N30	300	Single	0.29	-	-	-	30	9.1	147
FQP9N30	300	Single	0.45	-	-	-	17	9	98
FQP5N30	300	Single	0.9	-	-	-	9.8	5.4	70
FQP3N30	300	Single	2.2	-	-	-	5.5	3.2	55
FQP2N30	300	Single	3.7	-	-	-	3.7	1.3	16
FDP20N40	400	Single	0.216	-	-	-	35	20	273
FQP17N40	400	Single	0.27	-	-	-	45	16	170
FDP13N40	400	Single	0.37	-	-	-	18.3	13	250
FQP11N40	400	Single	0.48	-	-	-	27	11.4	147
IRF740B	400	Single	0.54	-	-	-	41	10	134
FQP7N40	400	Single	0.8	-	-	-	16.5	7	98
FQP6N40C	400	Single	1	-	-	-	16	6	73

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating		
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)	
<b>TO-220 N-Channel (cont.)</b>										
IRF730B	400	Single	1	-	-	-	25	5.5	73	
FQP5N40	400	Single	1.6	-	-	-	10	4.5	70	
IRF720B	400	Single	1.75	-	-	-	14	3.3	46	
FQP3N40	400	Single	3.4	-	-	-	6	2.5	55	
IRF710B	400	Single	3.4	-	-	-	7.7	2	36	
IRFF320	400	Single	Use IRF710B							
FQP2N40	400	Single	5.8	-	-	-	4	1.8	40	
FQP6N45	450	Single	1.1	-	-	-	16	6.2	98	
FQP18N50V2	500	Single	0.265	-	-	-	42	18	208	
FDP15N50	500	Single	0.38	-	-	-	33	15	250	
FQP13N50	500	Single	0.43	-	-	-	45	12.5	170	
FQP13N50C	500	Single	0.48	-	-	-	43	13	195	
FDP11N50	500	Single	0.725	-	-	-	17	11	250	
FQP9N50	500	Single	0.73	-	-	-	28	9	147	
FQP9N50C	500	Single	0.8	-	-	-	28	9	135	
IRF840A	500	Single	Use IRF840B							
IRF840B	500	Single	0.85	-	-	-	41	8	134	
FQP6N50	500	Single	1.3	-	-	-	17	5.5	98	
FQP5N50C	500	Single	1.4	-	-	-	18	5	73	
IRF830B	500	Single	1.5	-	-	-	27	4.5	73	
IRF820B	500	Single	2.6	-	-	-	14	2.5	49	
FQP4N50	500	Single	2.7	-	-	-	10	3.4	70	
FQP2N50	500	Single	5.3	-	-	-	6	2.1	55	
SSP1N50B	500	Single	5.5	-	-	-	8.3	1.5	36	
FQP1N50	500	Single	9	-	-	-	4	1.4	40	
FDP14N60	600	Single	0.49	-	-	-	36	14	300	
FQP12N60C	600	Single	0.65	-	-	-	48	12	225	
FQP12N60	600	Single	0.7	-	-	-	42	10.5	180	
FQP10N60C	600	Single	0.73	-	-	-	44	9.5	156	
SSP10N60B	600	Single	0.8	-	-	-	54	9	156	
FQP7N60	600	Single	1	-	-	-	29	7.4	142	
FQP8N60C	600	Single	1.2	-	-	-	28	7.5	147	
SSP7N60B	600	Single	1.2	-	-	-	38	7	147	
FQP6N60	600	Single	1.5	-	-	-	20	6.2	130	
FQP4N60	600	Single	2.2	-	-	-	15	4.4	106	
SSP4N60B	600	Single	2.5	-	-	-	22	4	100	
FQP3N60	600	Single	3.6	-	-	-	10	3	75	
FQP2N60	600	Single	4.7	-	-	-	9	2.4	64	
SSP2N60B	600	Single	5	-	-	-	12.5	2	54	
FQP1N60	600	Single	11.5	-	-	-	5	1.2	40	
SSP1N60B	600	Single	12	-	-	-	5.9	1	34	
FQP6N70	700	Single	1.5	-	-	-	30	6.2	142	
SSP6N70A	700	Single	1.8	-	-	-	51	6	130	
FQP8N80C	800	Single	1.55	-	-	-	35	8	178	
FQP7N80C	800	Single	1.9	-	-	-	27	6.6	167	
FQP6N80	800	Single	1.95	-	-	-	31	5.8	158	
FQP6N80C	800	Single	2.5	-	-	-	21	5.5	158	
FQP5N80	800	Single	2.6	-	-	-	25	4.8	140	
FQP4N80	800	Single	3.6	-	-	-	19	3.9	130	
FQP3N80C	800	Single	4.8	-	-	-	13	3	107	
FQP3N80	800	Single	5	-	-	-	15	3	107	
SSP3N80A	800	Single	Use FQP3N80							
FQP2N80	800	Single	6.3	-	-	-	12	2.4	85	
FQP5N90	900	Single	2.3	-	-	-	31	5.4	158	
FQP6N90C	900	Single	2.3	-	-	-	30	6	167	

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-220 N-Channel (cont.)</b>									
FQP4N90	900	Single	3.1	-	-	-	24	4.2	140
FQP4N90C	900	Single	4.2	-	-	-	17	4	140
FQP3N90	900	Single	4.25	-	-	-	20	3.6	130
SSP4N90A	900	Single	Use FQP3N90						
FQP2NA90	900	Single	5.8	-	-	-	15	2.8	107
FQP2N90	900	Single	7.2	-	-	-	12	2.2	85
<b>TO-220 P-Channel</b>									
FQP3P50	-500	Single	4.9	-	-	-	18	2.7	85
FQP1P50	-500	Single	10.5	-	-	-	11	1.5	63
FQP4P40	-400	Single	3.1	-	-	-	18	3.5	85
FQP2P40	-400	Single	6.5	-	-	-	10	2	63
FQP9P25	-250	Single	0.62	-	-	-	29	9.4	120
SFP9644	-250	Single	0.8	-	-	-	45	8.6	123
FQP6P25	-250	Single	1.1	-	-	-	21	6	90
SFP9634	-250	Single	1.3	-	-	-	29	5	70
FQP4P25	-250	Single	2.1	-	-	-	10	4	75
FQP2P25	-250	Single	4	-	-	-	6.5	2.3	52
SFP9614	-250	Single	4	-	-	-	9	1.6	20
FQP12P20	-200	Single	0.47	-	-	-	31	11.5	120
SFP9640	-200	Single	0.5	-	-	-	46	11	123
FQP7P20	-200	Single	0.69	-	-	-	19	7.3	90
SFP9630	-200	Single	0.8	-	-	-	29	6.5	70
FQP5P20	-200	Single	1.4	-	-	-	10	4.8	75
SFP9620	-200	Single	1.5	-	-	-	15	3.5	38
FQP3P20	-200	Single	2.7	-	-	-	6	2.8	52
SFP9610	-200	Single	3	-	-	-	9	1.8	20
SFP9640L	-200	Single	-	0.5@5V	-	-	46	11	98
FQP22P10	-100	Single	0.125	-	-	-	40	22	125
FQP17P10	-100	Single	0.19	-	-	-	30	16.5	100
SFP9540	-100	Single	0.2	-	-	-	43	17	132
FQP12P10	-100	Single	0.29	-	-	-	21	11.5	75
SFP9530	-100	Single	0.3	-	-	-	30	10.5	66
FQP8P10	-100	Single	0.53	-	-	-	12	8	65
SFP9520	-100	Single	0.6	-	-	-	16	6	49
FQP5P10	-100	Single	1.05	-	-	-	6.3	4.5	40
SFP9510	-100	Single	1.2	-	-	-	9	3.6	32
FQP47P06	-60	Single	0.026	-	-	-	84	47	160
FQP27P06	-60	Single	0.07	-	-	-	33	27	120
FQP17P06	-60	Single	0.12	-	-	-	21	17	79
SFP9Z34	-60	Single	0.14	-	-	-	30	18	82
FQP11P06	-60	Single	0.175	-	-	-	13	11.4	53
SFP9Z24	-60	Single	0.28	-	-	-	15	9.7	49
SFP2955	-60	Single	0.3	-	-	-	15	9.4	49
FQP7P06	-60	Single	0.41	-	-	-	6.3	6.7	45
SFP9Z14	-60	Single	0.5	-	-	-	9	6.7	38
NDP6020P	-20	Single	-	0.05	0.075	-	25	24	60
FDP4020P	-20	Single	-	0.08	0.07@2.7V	-	9.5	16	37.5
<b>TO-262(I<sup>2</sup>PAK) N-Channel</b>									
ISL9N303AS3	30	Single	0.0032	0.005	-	-	61	75	215
HUF75345S3	55	Single	0.007	-	-	-	125	75	325
HUF75333S3	55	Single	0.016	-	-	-	40	66	150
FDI038AN06A0	60	Single	0.0038	-	-	-	95	80	310
FQI50N06L	60	Single	0.021	0.025@5V	-	-	24.5	52	121
FQI50N06	60	Single	0.022	-	-	-	31	50	120



Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-262(I<sup>2</sup>PAK) N-Channel (cont.)</b>									
FQI30N06L	60	Single	0.035	0.045@5V	-	-	15	32	79
RF1S25N06	60	Single	0.047	-	-	-	35	25	72
FQI13N06L	60	Single	0.11	0.14@5V	-	-	4.8	13.6	45
FQI13N06	60	Single	0.135	-	-	-	5.8	13	45
HUF75545S3	80	Single	0.01	-	-	-	105	75	270
FQI90N08	80	Single	0.016	-	-	-	84	71	160
FQI70N08	80	Single	0.017	-	-	-	75	70	155
FQI44N08	80	Single	0.034	-	-	-	38	44	127
FQI17N08L	80	Single	0.1	0.115@5V	-	-	8.8	16.5	65
FQI17N08	80	Single	0.115	-	-	-	12	16.5	65
FQI9N08	80	Single	0.21	-	-	-	5.9	9.3	40
FQI9N08L	80	Single	0.21	0.23@5V	-	-	4.7	9.3	40
FDI3632	100	Single	0.009	-	-	-	84	80	310
FDI3652	100	Single	0.016	-	-	-	44	61	150
FQI70N10	100	Single	0.025	-	-	-	85	57	160
HUF75639S3	100	Single	0.025	-	-	-	57	56	200
FQI44N10	100	Single	0.039	-	-	-	48	43.5	146
IRFI550A	100	Single	0.04	-	-	-	75	40	167
FQI33N10	100	Single	0.052	-	-	-	38	33	127
IRFI540A	100	Single	0.052	-	-	-	60	28	107
FQI33N10L	100	Single	0.052	0.055@5V	-	-	30	33	127
IRLI540A	100	Single	-	0.058@5V	-	-	38.4	28	121
FQI19N10	100	Single	0.1	-	-	-	19	19	75
FQI19N10L	100	Single	0.1	0.11@5V	-	-	14	19	75
IRLI530A	100	Single	-	0.12@5V	-	-	16.9	14	62
IRFI530A	100	Single	0.11	-	-	-	27	14	55
FQI13N10	100	Single	0.18	-	-	-	12	12.8	65
FQI13N10L	100	Single	0.18	0.2@5V	-	-	8.7	12.8	65
IRLI520A	100	Single	-	0.22@5V	-	-	10.2	9.2	49
IRFI520A	100	Single	0.2	-	-	-	16	9.2	45
FQI7N10	100	Single	0.35	-	-	-	5.8	7.3	40
FQI7N10L	100	Single	0.35	0.38@5V	-	-	4.6	7.3	40
IRLI510A	100	Single	-	0.44@5V	-	-	5.5	5.6	37
IRFI510A	100	Single	0.4	-	-	-	8.5	5.6	33
FDI2532	150	Single	0.016	-	-	-	86	79	310
FQI28N15	150	Single	0.09	-	-	-	40	28	168
FQI16N15	150	Single	0.16	-	-	-	23	16.4	108
FQI9N15	150	Single	0.4	-	-	-	10	9	75
FQI6N15	150	Single	0.6	-	-	-	6.5	6.4	63
FQI5N15	150	Single	0.8	-	-	-	5.4	5.4	54
FQI34N20	200	Single	0.075	-	-	-	60	31	180
IRFI650B	200	Single	0.085	-	-	-	95	28	156
FQI19N20L	200	Single	0.14	0.15@5V	-	-	27	21	140
FQI19N20	200	Single	0.15	-	-	-	31	19.4	140
IRFI640B	200	Single	0.18	-	-	-	45	18	139
FQI12N20L	200	Single	0.28	0.32@5V	-	-	16	11.6	90
FQI10N20L	200	Single	0.36	0.38@5V	-	-	13	10	87
IRLI630A	200	Single	-	0.4@5V	-	-	18.6	9	69
IRFI630B	200	Single	0.4	-	-	-	22	9	72
FQI7N20	200	Single	0.69	-	-	-	8	6.6	63
FQI7N20L	200	Single	0.75	0.78@5V	-	-	6.8	6.5	63
IRLI620A	200	Single	-	0.8@5V	-	-	10.3	5	39
IRFI620B	200	Single	0.8	-	-	-	12	5	47
FQI5N20	200	Single	1.2	-	-	-	6	4.5	52
FQI5N20L	200	Single	1.2	1.25@5V	-	-	4.8	4.5	52

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-262(I<sup>2</sup>PAK) N-Channel (cont.)</b>									
FQI4N20L	200	Single	1.35	1.4@5V	-	-	4	3.8	45
IRLI610A	200	Single	-	1.5@5V	-	-	6.1	3.3	33
FQI4N20	200	Single	1.4	-	-	-	5	3.6	45
IRFI610B	200	Single	1.5	-	-	-	7.2	3.3	38
FQI27N25	250	Single	0.11	-	-	-	50	25.5	180
IRFI654B	250	Single	0.14	-	-	-	95	15	156
IRFI644B	250	Single	0.28	-	-	-	47	14	139
IRFI634B	250	Single	0.45	-	-	-	29	8.1	74
IRFI624B	250	Single	1.1	-	-	-	13.5	4.1	49
FQI4N25	250	Single	1.75	-	-	-	4.3	3.6	52
IRFI614B	250	Single	2	-	-	-	8.1	2.8	40
FQI3N25	250	Single	2.2	-	-	-	4	2.8	45
FQI5N30	300	Single	0.9	-	-	-	9.8	5.4	70
FQI3N30	300	Single	2.2	-	-	-	5.5	3.2	55
FQI2N30	300	Single	3.7	-	-	-	3.7	2.1	40
FQI11N40	400	Single	0.48	-	-	-	27	11.4	147
IRFI740B	400	Single	0.54	-	-	-	41	10	134
FQI7N40	400	Single	0.8	-	-	-	16.5	7	98
FQI6N40	400	Single	1.15	-	-	-	13	5.5	85
FQI5N40	400	Single	1.6	-	-	-	10	4.5	70
FQI3N40	400	Single	3.4	-	-	-	6	2.5	55
FQI6N45	450	Single	1.1	-	-	-	16	6.2	98
FQI9N50	500	Single	0.73	-	-	-	28	9	147
IRFI840B	500	Single	0.85	-	-	-	41	8	134
IRFI830B	500	Single	1.5	-	-	-	27	4.5	73
FQI5N50	500	Single	1.8	-	-	-	13	4.5	85
SSI1N50B	500	Single	5.5	-	-	-	8.3	1.5	36
FQI12N60	600	Single	0.7	-	-	-	42	10.5	180
SSI10N60B	600	Single	0.8	-	-	-	54	9	156
FQI7N60	600	Single	1	-	-	-	29	7.4	142
SSI7N60B	600	Single	1.2	-	-	-	38	7	147
FQI4N60	600	Single	2.2	-	-	-	15	4.4	106
SSI4N60B	600	Single	2.5	-	-	-	22	4	100
SSI2N60B	600	Single	5	-	-	-	12.5	2	54
SSI1N60B	600	Single	12	-	-	-	5.9	1	34
FQI6N70	700	Single	1.5	-	-	-	30	6.2	142
FQI7N80	800	Single	1.5	-	-	-	40	6.6	167
FQI5N80	800	Single	2.6	-	-	-	25	4.8	140
FQI4N80	800	Single	3.6	-	-	-	19	3.9	130
FQI3N80	800	Single	5	-	-	-	15	3	107
FQI2N80	800	Single	6.3	-	-	-	12	2.4	85
FQI6N90	900	Single	1.9	-	-	-	40	5.8	167
FQI5N90	900	Single	2.3	-	-	-	31	5.4	158
FQI4N90	900	Single	3.1	-	-	-	24	4.2	140
FQI3N90	900	Single	4.25	-	-	-	20	3.6	130
FQI2NA90	900	Single	5.8	-	-	-	15	2.8	107
FQI2N90	900	Single	7.2	-	-	-	12	2.2	85
<b>TO-262(I<sup>2</sup>PAK) P-Channel</b>									
FQI3P50	-500	Single	4.9	-	-	-	18	2.7	85
FQI1P50	-500	Single	10.5	-	-	-	11	1.5	63
FQI4P40	-400	Single	3.1	-	-	-	18	3.5	85
FQI2P40	-400	Single	6.5	-	-	-	10	2	63
FQI9P25	-250	Single	0.62	-	-	-	29	9.4	120
SFI9644	-250	Single	0.8	-	-	-	45	8.6	123
FQI6P25	-250	Single	1.1	-	-	-	21	6	90

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating		
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)	
<b>TO-262(I<sup>2</sup>PAK) P-Channel (cont.)</b>										
SFI9634	-250	Single	1.3	-	-	-	29	5	70	
SFI9624	-250	Single	2.4	-	-	-	16	2.7	38	
FQI2P25	-250	Single	4	-	-	-	6.5	2.3	52	
SFI9614	-250	Single	4	-	-	-	9	1.6	20	
FQI12P20	-200	Single	0.47	-	-	-	31	11.5	120	
SFI9640	-200	Single	0.5	-	-	-	46	11	123	
FQI7P20	-200	Single	0.69	-	-	-	19	7.3	90	
SFI9630	-200	Single	0.8	-	-	-	29	6.5	70	
FQI5P20	-200	Single	1.4	-	-	-	10	4.8	75	
FQI3P20	-200	Single	2.7	-	-	-	6	2.8	52	
SFI9610	-200	Single	3	-	-	-	9	1.8	20	
FQI17P10	-100	Single	0.19	-	-	-	30	16.5	100	
SFI9540	-100	Single	0.2	-	-	-	43	17	132	
FQI12P10	-100	Single	0.29	-	-	-	21	11.5	75	
SFI9530	-100	Single	0.3	-	-	-	30	10.5	66	
FQI8P10	-100	Single	0.53	-	-	-	12	8	65	
SFI9520	-100	Single	0.6	-	-	-	16	6	49	
FQI5P10	-100	Single	1.05	-	-	-	6.3	4.5	40	
SFI9510	-100	Single	1.2	-	-	-	9	3.6	32	
FQI47P06	-60	Single	0.026	-	-	-	84	47	160	
FQI27P06	-60	Single	0.07	-	-	-	33	27	120	
FQI17P06	-60	Single	0.12	-	-	-	21	17	79	
SFI9Z34	-60	Single	0.14	-	-	-	30	18	82	
FQI11P06	-60	Single	0.175	-	-	-	13	11.4	53	
SFI9Z24	-60	Single	0.28	-	-	-	15	9.7	49	
SFI2955	-60	Single	0.3	-	-	-	15	9.4	49	
FQI7P06	-60	Single	0.41	-	-	-	6.3	7	45	
SFI9Z14	-60	Single	0.5	-	-	-	9	6.7	38	
<b>TO-263(D<sup>2</sup>PAK) N-Channel</b>										
ISL9N302AS3ST	30	Single	0.0023	0.0033	-	-	110	75	345	
ISL9N303AS3ST	30	Single	0.0026	0.004	-	-	61	75	215	
FDB8030L	30	Single	0.0035	0.0045	-	-	120	80	187	
FDB7045L	30	Single	0.0045	0.006	-	-	50	100	125	
ISL9N304AS3ST	30	Single	0.0045	0.0075	-	-	38	75	145	
FDB6676	30	Single	0.006	0.0075	-	-	43	84	93	
ISL9N306AS3ST	30	Single	0.006	0.0095	-	-	30	75	125	
FQB95N03L	30	Single	0.0064	0.01	-	-	24	40	80	
FDB6670AL	30	Single	0.0065	0.0085	-	-	24	80	68	
FDB7030L	30	Single	0.007	0.01	-	-	35	100	125	
ISL9N307AS3ST	30	Single	0.007	0.0115	-	-	28	75	100	
FDB7042L	30	Single	0.0075	0.009	-	-	32	50	83	
FDB6644	30	Single	0.0085	0.0105	-	-	27	50	83	
FDB7030BL	30	Single	0.009	0.012	-	-	23	60	65	
ISL9N310AS3ST	30	Single	0.01	0.015	-	-	17	62	70	
FQB60N03L	30	Single	0.01	0.017	-	-	13	55	60	
FDB6035L	30	Single	0.011	0.019	-	-	34	58	75	
ISL9N312AS3ST	30	Single	0.012	0.02	-	-	13	58	75	
ISL9N316AS3ST	30	Single	Use ISL9N312AS3ST							
FDB6035AL	30	Single	0.0125	0.017	-	-	17	48	58	
FDB6030L	30	Single	0.0135	0.02	-	-	34	52	75	
HUF76129S3S	30	Single	0.016	0.023	-	-	19	56	105	
FDB6030BL	30	Single	0.018	0.024	-	-	12	40	60	
FDB4030L	30	Single	Use FDB603AL							
FDB603AL	30	Single	0.022	0.036	-	-	19	33	50	
FDB6676S	30	SyncFET	0.0065	0.008	-	-	40	76	70	

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-263(D<sup>2</sup>PAK) N-Channel (cont.)</b>									
FDB6670S	30	SyncFET	0.0085	0.0105	-	-	23	62	62.5
FDB6644S	30	SyncFET	0.01	0.012	-	-	27	55	60
FDB7030BLS	30	SyncFET	0.0105	0.0165	-	-	15	56	65
FDB6690S	30	SyncFET	0.0155	0.023	-	-	11	42	48
HUF75345S3S	55	Single	0.007	-	-	-	125	75	325
HUFA75345S3S	55	Single	0.007	-	-	-	125	75	325
HUF75344S3S	55	Single	0.008	-	-	-	90	75	285
HUFA75344S3S	55	Single	0.008	-	-	-	90	75	285
HUFA75343S3S	55	Single	0.009	-	-	-	92	75	270
HUFA75339S3S	55	Single	0.012	-	-	-	60	75	200
HUF75337S3S	55	Single	0.014	-	-	-	51	75	175
HUFA75337S3S	55	Single	0.014	-	-	-	51	75	175
HUF75333S3S	55	Single	0.016	-	-	-	40	66	150
HUF75332S3S	55	Single	0.019	-	-	-	40	60	145
HUFA75332S3S	55	Single	0.019	-	-	-	40	60	145
HUFA75329S3S	55	Single	0.024	-	-	-	35	49	128
HUF75321S3S	55	Single	0.034	-	-	-	21	35	93
HUFA75321S3S	55	Single	0.034	-	-	-	21	35	93
FDB035AN06A0	60	Single	0.0035	-	-	-	95	80	310
FDB050AN06A0	60	Single	0.005	-	-	-	61	80	245
HUF76445S3S	60	Single	0.0065	0.0075	-	-	124	75	310
HUFA76445S3S	60	Single	0.0065	0.0075	-	-	124	75	310
FDB070AN06A0	60	Single	0.007	-	-	-	51	15	175
HUF76443S3S	60	Single	0.008	0.0095	-	-	107	75	260
HUFA76443S3S	60	Single	0.008	0.0095	-	-	107	75	260
FDB5645	60	Single	0.0095	-	-	-	76	80	125
FQB85N06	60	Single	0.01	-	-	-	86	85	160
FDB10AN06A0	60	Single	0.0105	-	-	-	28	75	135
FDB14AN06LA0	60	Single	0.011	0.014@5V	-	-	24	61	125
HUF76439S3S	60	Single	0.012	0.014	-	-	70	75	180
HUFA76439S3S	60	Single	0.012	0.014	-	-	70	75	180
FDB13AN06A0	60	Single	0.013	-	-	-	22	64	115
HUF76437S3S	60	Single	0.014	0.017	-	-	59	71	155
HUFA76437S3S	60	Single	0.014	0.017	-	-	59	71	155
FQB65N06	60	Single	0.016	-	-	-	48	65	150
HUFA75433S3ST	60	Single	0.016	-	-	-	50	64	150
HUF76432S3S	60	Single	0.017	0.019	-	-	44	59	130
HUFA76432S3S	60	Single	0.017	0.019	-	-	44	59	130
FDB20AN06A0	60	Single	0.02	-	-	-	15	45	90
FDB5680	60	Single	0.02	-	-	-	33	40	65
FQB55N06	60	Single	0.02	-	-	-	35	55	133
FQB50N06L	60	Single	0.021	0.025@5V	-	-	24.5	52	121
FQB50N06	60	Single	0.022	-	-	-	31	50	120
RF1S50N06SM	60	Single	0.022	-	-	-	67	50	131
HUF76429S3S	60	Single	0.022	0.025	-	-	38	47	110
HUFA76429S3S	60	Single	0.022	0.025	-	-	38	47	110
FDB5690	60	Single	0.027	-	-	-	23	32	58
HUF76423S3S	60	Single	0.03	0.035	-	-	28	35	85
HUFA76423S3S	60	Single	0.03	0.035	-	-	28	35	85
HUF76419S3S	60	Single	0.035	0.04	-	-	22	29	75
HUFA76419S3S	60	Single	0.035	0.04	-	-	22	29	75
FQB30N06L	60	Single	0.035	0.045@5V	-	-	15	32	79
FQB30N06	60	Single	0.04	-	-	-	19	30	79
FQB20N06L	60	Single	0.055	0.07@5V	-	-	9.5	21	53
FQB20N06	60	Single	0.06	-	-	-	11.5	20	53

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-263(D<sup>2</sup>PAK) N-Channel (cont.)</b>									
FQB13N06L	60	Single	0.11	0.14@5V	-	-	4.8	13.6	45
FQB13N06	60	Single	0.135	-	-	-	5.8	13	45
FDB045AN08A0	75	Single	0.0045	-	-	-	92	80	310
FDB060AN08A0	75	Single	0.006	-	-	-	99	80	285
FDB16AN08A0	75	Single	0.016	-	-	-	28	58	135
HUF75545S3S	80	Single	0.01	-	-	-	105	75	270
HUFA75545S3S	80	Single	0.01	-	-	-	105	75	270
HUF75542S3S	80	Single	0.014	-	-	-	80	75	230
HUFA75542S3S	80	Single	0.014	-	-	-	80	75	230
FQB90N08	80	Single	0.016	-	-	-	84	71	160
FQB70N08	80	Single	0.017	-	-	-	75	70	155
FQB44N08	80	Single	0.034	-	-	-	38	44	127
FQB24N08	80	Single	0.06	-	-	-	19	24	75
FQB17N08L	80	Single	0.1	0.115@5V	-	-	8.8	16.5	65
FQB17N08	80	Single	0.115	-	-	-	12	16.5	65
FQB9N08	80	Single	0.21	-	-	-	5.9	9.3	40
FQB9N08L	80	Single	0.21	0.23@5V	-	-	4.7	9.3	40
FDB3632	100	Single	0.009	-	-	-	84	80	310
HUF75645S3S	100	Single	0.014	-	-	-	106	75	310
HUFA75645S3S	100	Single	0.014	-	-	-	106	75	310
HUF76645S3S	100	Single	0.014	0.015	-	-	127	75	310
HUFA76645S3S	100	Single	0.014	0.015	-	-	127	75	310
FDB3652	100	Single	0.016	-	-	-	44	61	150
FQB70N10	100	Single	0.025	-	-	-	85	57	160
HUF75639S3S	100	Single	0.025	-	-	-	57	56	200
HUFA75639S3S	100	Single	0.025	-	-	-	57	56	200
FQB55N10	100	Single	0.026	-	-	-	75	55	155
HUF76639S3S	100	Single	0.026	0.027	-	-	71	51	180
HUFA76639S3S	100	Single	0.026	0.027	-	-	71	51	180
HUF75637S3S	100	Single	0.03	-	-	-	48	44	155
HUFA75637S3S	100	Single	0.03	-	-	-	48	44	155
HUF76633S3S	100	Single	0.035	0.036	-	-	56	39	145
HUFA76633S3S	100	Single	0.035	0.036	-	-	56	39	145
FDB3682	100	Single	0.036	-	-	-	18.5	32	95
FQB44N10	100	Single	0.039	-	-	-	48	43.5	146
HUF75631S3S	100	Single	0.04	-	-	-	35	33	120
HUFA75631S3S	100	Single	0.04	-	-	-	35	33	120
IRFW550A	100	Single	0.04	-	-	-	75	40	167
RF1S40N10SM	100	Single	0.04	-	-	-	115	40	160
FQB33N10	100	Single	0.052	-	-	-	38	33	127
IRFW540A	100	Single	0.052	-	-	-	60	28	107
FQB33N10L	100	Single	0.052	0.055@5V	-	-	30	33	127
IRLW540A	100	Single	-	0.058@5V	-	-	38.4	28	121
HUF75623S3S	100	Single	0.064	-	-	-	23	22	85
HUFA75623S3S	100	Single	0.064	-	-	-	23	22	85
FQB19N10	100	Single	0.1	-	-	-	19	19	75
FQB19N10L	100	Single	0.1	0.11@5V	-	-	14	19	75
IRLW530A	100	Single	-	0.12@5V	-	-	16.9	14	62
IRFW530A	100	Single	0.11	-	-	-	27	14	55
FQB13N10	100	Single	0.18	-	-	-	12	12.8	65
FQB13N10L	100	Single	0.18	0.2@5V	-	-	8.7	12.8	65
IRLW520A	100	Single	-	0.22@5V	-	-	10.2	9.2	49
IRFW520A	100	Single	0.2	-	-	-	16	9.2	45
FQB7N10	100	Single	0.35	-	-	-	5.8	7.3	40
FQB7N10L	100	Single	0.35	0.38@5V	-	-	4.6	7.3	40

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-263(D<sup>2</sup>PAK) N-Channel (cont.)</b>									
IRLW510A	100	Single	-	0.44@5V	-	-	5.5	5.6	37
IRFW510A	100	Single	0.4	-	-	-	8.5	5.6	33
FDB2532	150	Single	0.016	-	-	-	86	79	310
FDB2552	150	Single	0.036	-	-	-	41	37	150
FDB42AN15A0	150	Single	0.042	-	-	-	30	35	150
FQB46N15	150	Single	0.042	-	-	-	85	45.6	210
HUFA75842S3S	150	Single	0.042	-	-	-	77	43	230
FDB2572	150	Single	0.056	-	-	-	27	29	135
FDB2570	150	Single	0.08	-	-	-	40	22	93
FQB16N15	150	Single	0.16	-	-	-	23	16.4	108
FQB14N15	150	Single	0.21	-	-	-	18	14.4	104
FQB9N15	150	Single	0.4	-	-	-	10	9	75
FQB6N15	150	Single	0.6	-	-	-	6.5	6.4	63
FQB5N15	150	Single	0.8	-	-	-	5.4	5.4	54
FQB34N20	200	Single	0.075	-	-	-	60	31	180
IRFW650B	200	Single	0.085	-	-	-	95	28	156
FDB2670	200	Single	0.13	-	-	-	27	19	93
FQB19N20L	200	Single	0.14	0.15@5V	-	-	27	21	140
IRLW640A	200	Single	-	0.18@5V	-	-	40	18	110
FQB19N20	200	Single	0.15	-	-	-	31	19.4	140
IRFW640B	200	Single	0.18	-	-	-	45	18	139
FQB12N20	200	Single	0.28	-	-	-	18	11.6	90
FQB12N20L	200	Single	0.28	0.32@5V	-	-	16	11.6	90
FQB10N20	200	Single	0.36	-	-	-	13.5	10	87
FQB10N20L	200	Single	0.36	0.38@5V	-	-	13	10	87
IRLW630A	200	Single	-	0.4@5V	-	-	18.6	9	69
FQB630	200	Single	0.4	-	-	-	19	9	78
IRFW630B	200	Single	0.4	-	-	-	22	9	72
FQB7N20	200	Single	0.69	-	-	-	8	6.6	63
FQB7N20L	200	Single	0.75	0.78@5V	-	-	6.8	6.5	63
IRLW620A	200	Single	-	0.8@5V	-	-	10.3	5	39
IRFW620B	200	Single	0.8	-	-	-	12	5	47
FQB5N20	200	Single	1.2	-	-	-	6	4.5	52
FQB5N20L	200	Single	1.2	1.25@5V	-	-	4.8	4.5	52
FQB4N20L	200	Single	1.35	1.4@5V	-	-	4	3.8	45
IRLW610A	200	Single	-	1.5@5V	-	-	6.1	3.3	33
FQB4N20	200	Single	1.4	-	-	-	5	3.6	45
IRFW610B	200	Single	1.5	-	-	-	7.2	3.3	38
FQB27N25	250	Single	0.11	-	-	-	50	25.5	180
IRFW654B	250	Single	0.14	-	-	-	95	15	156
FQB16N25	250	Single	0.23	-	-	-	27	16	142
IRFW644B	250	Single	0.28	-	-	-	47	14	139
FQB9N25	250	Single	0.42	-	-	-	15.5	9.4	90
IRFW634B	250	Single	0.45	-	-	-	29	8.1	74
FQB8N25	250	Single	0.55	-	-	-	12	8	87
FQB6N25	250	Single	1	-	-	-	6.6	5.5	63
IRFW624B	250	Single	1.1	-	-	-	13.5	4.1	49
FQB4N25	250	Single	1.75	-	-	-	4.3	3.6	52
IRFW614B	250	Single	2	-	-	-	8.1	2.8	40
FQB3N25	250	Single	2.2	-	-	-	4	2.8	45
FQB14N30	300	Single	0.29	-	-	-	30	9.1	147
FQB7N30	300	Single	0.7	-	-	-	13	7	85
FQB5N30	300	Single	0.9	-	-	-	9.8	5.4	70
FQB3N30	300	Single	2.2	-	-	-	5.5	3.2	55
FQB2N30	300	Single	3.7	-	-	-	3.7	2.1	40

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating			
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)		
<b>TO-263(D<sup>2</sup>PAK) N-Channel (cont.)</b>											
FQB11N40	400	Single	0.48	-	-	-	27	11.4	147		
IRFW740B	400	Single	0.54	-	-	-	41	10	134		
FQB7N40	400	Single	0.8	-	-	-	16.5	7	98		
IRFW730B	400	Single	1	-	-	-	25	5.5	73		
FQB5N40	400	Single	1.6	-	-	-	10	4.5	70		
IRFW720B	400	Single	1.75	-	-	-	14	3.3	46		
FQB3N40	400	Single	3.4	-	-	-	6	2.5	55		
IRFW710B	400	Single	3.4	-	-	-	7.7	2	36		
FQB6N45	450	Single	1.1	-	-	-	16	6.2	98		
FQB12N50	500	Single	0.43	-	-	-	45	12.5	170		
FQB9N50	500	Single	0.73	-	-	-	28	9	147		
IRFW840B	500	Single	0.85	-	-	-	41	8	134		
FQB6N50	500	Single	1.3	-	-	-	17	5.5	98		
IRFW830B	500	Single	1.5	-	-	-	27	4.5	73		
FQB5N50	500	Single	1.8	-	-	-	13	4.5	85		
IRFW820B	500	Single	2.6	-	-	-	14	2.5	49		
FQB4N50	500	Single	2.7	-	-	-	10	3.4	70		
FQB2N50	500	Single	5.3	-	-	-	6	2.1	55		
SSW1N50B	500	Single	5.5	-	-	-	8.3	1.5	36		
FQB12N60	600	Single	0.7	-	-	-	42	10.5	180		
SSW10N60B	600	Single	0.8	-	-	-	54	9	156		
FQB7N60	600	Single	1	-	-	-	29	7.4	142		
SSW7N60B	600	Single	1.2	-	-	-	38	7	147		
FQB6N60	600	Single	1.5	-	-	-	20	6.2	130		
FQB5N60	600	Single	2	-	-	-	16	5	120		
FQB4N60	600	Single	2.2	-	-	-	15	4.4	106		
SSW4N60B	600	Single	2.5	-	-	-	22	4	100		
FQB2N60	600	Single	4.7	-	-	-	9	2.4	64		
SSW2N60B	600	Single	5	-	-	-	12.5	2	54		
FQB1N60	600	Single	11.5	-	-	-	5	1.2	40		
SSW1N60B	600	Single	12	-	-	-	5.9	1	34		
FQB6N70	700	Single	1.5	-	-	-	30	6.2	142		
FQB6N80	800	Single	1.95	-	-	-	31	5.8	158		
FQB5N80	800	Single	2.6	-	-	-	25	4.8	140		
SSW4N80AS	800	Single	Use FQB5N80								
FQB4N80	800	Single	3.6	-	-	-	19	3.9	130		
FQB3N80	800	Single	5	-	-	-	15	3	107		
SSW3N80A	800	Single	Use FQB3N80								
FQB2N80	800	Single	6.3	-	-	-	12	2.4	85		
FQB5N90	900	Single	2.3	-	-	-	31	5.4	158		
FQB4N90	900	Single	3.1	-	-	-	24	4.2	140		
FQB3N90	900	Single	4.25	-	-	-	20	3.6	130		
FQB2NA90	900	Single	5.8	-	-	-	15	2.8	107		
FQB2N90	900	Single	7.2	-	-	-	12	2.2	85		
<b>TO-263(D<sup>2</sup>PAK) P-Channel</b>											
FQB3P50	-500	Single	4.9	-	-	-	18	2.7	85		
FQB1P50	-500	Single	10.5	-	-	-	11	1.5	63		
FQB4P40	-400	Single	3.1	-	-	-	18	3.5	85		
FQB2P40	-400	Single	6.5	-	-	-	10	2	63		
FQB9P25	-250	Single	0.62	-	-	-	29	9.4	120		
SFW9644	-250	Single	0.8	-	-	-	45	8.6	123		
FQB6P25	-250	Single	1.1	-	-	-	21	6	90		
FQB4P25	-250	Single	2.1	-	-	-	10	4	75		
SFW9624	-250	Single	2.4	-	-	-	16	2.7	38		
FQB2P25	-250	Single	4	-	-	-	6.5	2.3	52		

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-263(D<sup>2</sup>PAK) P-Channel (cont.)</b>									
SFW9614	-250	Single	4	-	-	-	9	1.6	20
FQB12P20	-200	Single	0.47	-	-	-	31	11.5	120
RF1S9640SM	-200	Single	Use FQB12P20						
SFW9640	-200	Single	0.5	-	-	-	46	11	123
FQB7P20	-200	Single	0.69	-	-	-	19	7.3	90
SFW9630	-200	Single	0.8	-	-	-	29	6.5	70
FQB5P20	-200	Single	1.4	-	-	-	10	4.8	75
SFW9620	-200	Single	1.5	-	-	-	15	3.5	38
FQB3P20	-200	Single	2.7	-	-	-	6	2.8	52
SFW9610	-200	Single	3	-	-	-	9	1.8	20
FQB22P10	-100	Single	0.125	-	-	-	40	22	125
FQB17P10	-100	Single	0.19	-	-	-	30	16.5	100
SFW9540	-100	Single	0.2	-	-	-	43	17	132
FQB12P10	-100	Single	0.29	-	-	-	21	11.5	75
SFW9530	-100	Single	0.3	-	-	-	30	10.5	66
FQB8P10	-100	Single	0.53	-	-	-	12	8	65
SFW9520	-100	Single	0.6	-	-	-	16	6	49
FQB5P10	-100	Single	1.05	-	-	-	6.3	4.5	40
SFW9510	-100	Single	1.2	-	-	-	9	3.6	32
FQB27P06	-60	Single	0.07	-	-	-	33	27	120
FQB17P06	-60	Single	0.12	-	-	-	21	17	79
SFW9Z34	-60	Single	0.14	-	-	-	30	18	82
FQB11P06	-60	Single	0.175	-	-	-	13	11.4	53
SFW9Z24	-60	Single	0.28	-	-	-	15	9.7	49
SFW2955	-60	Single	0.3	-	-	-	15	9.4	49
FQB7P06	-60	Single	0.41	-	-	-	6.3	7	45
SFW9Z14	-60	Single	0.5	-	-	-	9	6.7	38
FDB6021P	-20	Single	-	0.03	0.04	0.065	20	28	37
NDB6020P	-20	Single	-	0.05	0.075	-	25	24	60
FDB4020P	-20	Single	-	0.08	0.11	0.07@2.7V	9.5	16	37.5
<b>TO-220F N-Channel</b>									
FQPF85N06	60	Single	0.01	-	-	-	86	53	62
FQPF65N06	60	Single	0.016	-	-	-	48	40	56
FQPF50N06L	60	Single	0.021	0.025@5V	-	-	24.5	32.6	47
FQPF50N06	60	Single	0.022	-	-	-	31	31	47
FQPF30N06L	60	Single	0.035	0.045@5V	-	-	15	22.5	38
FQPF30N06	60	Single	0.04	-	-	-	19	21	39
FQPF20N06L	60	Single	0.055	0.07@5V	-	-	9.5	15.7	30
FQPF20N06	60	Single	0.06	-	-	-	11.5	15	30
FQPF13N06L	60	Single	0.11	0.14@5V	-	-	4.8	10	24
FQPF13N06	60	Single	0.135	-	-	-	5.8	9.4	24
FQPF90N08	80	Single	0.016	-	-	-	84	44	62
FQPF70N08	80	Single	0.017	-	-	-	75	43.6	60
FQPF58N08	80	Single	0.024	-	-	-	50	35	55
FQPF44N08	80	Single	0.034	-	-	-	38	25	41
FQPF17N08L	80	Single	0.1	0.115@5V	-	-	8.8	11.2	30
FQPF17N08	80	Single	0.115	-	-	-	12	11.2	30
FQPF9N08	80	Single	0.21	-	-	-	5.9	7	23
FQPF9N08L	80	Single	0.21	0.23@5V	-	-	4.7	7	23
SSS70N10A	100	Single	0.023	-	-	-	151	28	49
FQPF70N10	100	Single	0.025	-	-	-	85	35	62
FQPF55N10	100	Single	0.026	-	-	-	75	34.2	60
FQPF44N10	100	Single	0.039	-	-	-	48	27	55
IRFS550A	100	Single	0.04	-	-	-	75	21	46



Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-220F N-Channel (cont.)</b>									
FQPF33N10	100	Single	0.052	-	-	-	38	18	41
IRFS540A	100	Single	0.052	-	-	-	60	17	39
FQPF33N10L	100	Single	0.052	0.055@5V	-	-	30	18	41
IRLS540A	100	Single	-	0.058@5V	-	-	38.4	17	44
FQPF19N10	100	Single	0.1	-	-	-	19	13.6	38
FQPF19N10L	100	Single	0.1	0.11@5V	-	-	14	13.6	38
IRLS530A	100	Single	-	0.12@5V	-	-	16.9	10.7	36
IRFS530A	100	Single	0.11	-	-	-	27	10.7	32
FQPF13N10	100	Single	0.18	-	-	-	12	8.7	30
FQPF13N10L	100	Single	0.18	0.2@5V	-	-	8.7	8.7	30
IRLS520A	100	Single	-	0.22@5V	-	-	10.2	7.2	30
IRFS520A	100	Single	0.2	-	-	-	16	7.2	28
FQPF7N10	100	Single	0.35	-	-	-	5.8	5.5	23
FQPF7N10L	100	Single	0.35	0.38@5V	-	-	4.6	5.5	23
IRLS510A	100	Single	-	0.44@5V	-	-	5.5	4.5	23
IRFS510A	100	Single	0.4	-	-	-	8.5	4.5	21
FQPF46N15	150	Single	0.042	-	-	-	85	25.6	66
FQPF28N15	150	Single	0.09	-	-	-	40	16.7	60
FQPF9N15	150	Single	0.4	-	-	-	10	6.9	44
FQPF6N15	150	Single	0.6	-	-	-	6.5	5	38
FQPF5N15	150	Single	0.8	-	-	-	5.4	4.2	32
SSS45N20B	200	Single	0.065	-	-	-	133	20	57
FQPF34N20	200	Single	0.075	-	-	-	60	17.5	55
FQPF34N20L	200	Single	0.075	0.08@5V	-	-	55	17.5	55
IRFS650B	200	Single	0.085	-	-	-	95	28	50
FQPF18N20V2	200	Single	0.14	-	-	-	20	18	40
FQPF19N20L	200	Single	0.14	0.15@5V	-	-	27	12.8	50
IRLS640A	200	Single	-	0.18@5V	-	-	40	9.8	40
FQPF19N20	200	Single	0.15	-	-	-	31	11.8	50
IRFS640B	200	Single	0.18	-	-	-	45	18	43
FQPF12N20	200	Single	0.28	-	-	-	18	8.2	45
FQPF12N20L	200	Single	0.28	0.32@5V	-	-	16	8.2	45
IRLS630A	200	Single	-	0.4@5V	-	-	18.6	6.5	36
FQPF10N20	200	Single	0.36	-	-	-	13.5	6.8	40
FQPF10N20C	200	Single	0.36	-	-	-	20	9.5	38
FQPF630	200	Single	0.4	-	-	-	19	6.3	38
IRFS630B	200	Single	0.4	-	-	-	22	9	38
FQPF7N20	200	Single	0.69	-	-	-	8	4.8	37
FQPF7N20L	200	Single	0.75	0.78@5V	-	-	6.8	5	37
IRLS620A	200	Single	-	0.8@5V	-	-	10.3	4.1	26
IRFS620B	200	Single	0.8	-	-	-	12	5	32
FQPF5N20	200	Single	1.2	-	-	-	6	3.5	32
FQPF5N20L	200	Single	1.2	1.25@5V	-	-	4.8	3.5	32
FQPF4N20L	200	Single	1.35	1.4@5V	-	-	4	3	27
FQPF4N20	200	Single	1.4	-	-	-	5	2.8	27
IRFS610B	200	Single	1.5	-	-	-	7.2	3.3	22
FQPF27N25	250	Single	0.11	-	-	-	50	14	55
IRFS654B	250	Single	0.14	-	-	-	95	15	50
FQPF16N25	250	Single	0.23	-	-	-	27	9.5	50
IRFS644B	250	Single	0.28	-	-	-	47	14	43
FQPF9N25	250	Single	0.42	-	-	-	15.5	6.7	45
IRFS634B	250	Single	0.45	-	-	-	29	8.1	38
FQPF6N25	250	Single	1	-	-	-	6.6	4	37
IRFS624B	250	Single	1.1	-	-	-	13.5	4.1	34
FQPF4N25	250	Single	1.75	-	-	-	4.3	2.8	32

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-220F N-Channel (cont.)</b>									
IRFS614B	250	Single	2	-	-	-	8.1	2.8	22
FQPF3N25	250	Single	2.2	-	-	-	4	2.3	27
FQPF22N30	300	Single	0.16	-	-	-	47	12	56
FQPF14N30	300	Single	0.29	-	-	-	30	8.5	50
FQPF9N30	300	Single	0.45	-	-	-	17	6	42
FQPF5N30	300	Single	0.9	-	-	-	9.8	3.9	35
FQPF3N30	300	Single	2.2	-	-	-	5.5	2	20
FQPF2N30	300	Single	3.7	-	-	-	3.7	2.1	40
FQPF17N40	400	Single	0.27	-	-	-	45	9.5	56
IRFS750A	400	Single	0.3	-	-	-	101	8.4	49
FQPF11N40	400	Single	0.48	-	-	-	27	6.6	50
IRFS740B	400	Single	0.54	-	-	-	41	10	44
FQPF7N40	400	Single	0.8	-	-	-	16.5	4.6	42
FQPF6N40C	400	Single	1	-	-	-	16	6	38
IRFS730B	400	Single	1	-	-	-	25	5.5	38
FQPF5N40	400	Single	1.6	-	-	-	10	3	35
IRFS720B	400	Single	1.75	-	-	-	14	3.3	33
FQPF3N40	400	Single	3.4	-	-	-	6	1.6	20
IRFS710B	400	Single	3.4	-	-	-	7.7	2	23
FQPF2N40	400	Single	5.8	-	-	-	4	1.1	16
FQPF18N50V2	500	Single	0.265	-	-	-	42	18	69
FQPF13N50	500	Single	0.43	-	-	-	45	7.3	56
FQPF13N50C	500	Single	0.48	-	-	-	43	13	48
FQPF9N50	500	Single	0.73	-	-	-	28	5.3	50
FQPF9N50C	500	Single	0.8	-	-	-	28	9	44
IRFS840B	500	Single	0.85	-	-	-	41	8	44
FQPF6N50	500	Single	1.3	-	-	-	17	3.6	42
FQPF5N50C	500	Single	1.4	-	-	-	18	5	38
IRFS830B	500	Single	1.5	-	-	-	27	4.5	38
FQPF5N50	500	Single	1.8	-	-	-	13	3	39
IRFS820B	500	Single	2.6	-	-	-	14	2.5	33
FQPF4N50	500	Single	2.7	-	-	-	10	2.3	35
FQPF2N50	500	Single	5.3	-	-	-	6	1.3	20
SSS1N50B	500	Single	5.5	-	-	-	8.3	1.2	23
FQPF1N50	500	Single	9	-	-	-	4	0.9	16
FQPF12N60C	600	Single	0.65	-	-	-	48	12	51
FQPF12N60	600	Single	0.7	-	-	-	42	5.8	55
FQPF10N60C	600	Single	0.73	-	-	-	44	9.5	50
SSS10N60B	600	Single	0.8	-	-	-	54	9	50
FQPF7N60	600	Single	1	-	-	-	29	4.3	48
FQPF8N60C	600	Single	1.2	-	-	-	28	7.5	48
SSS7N60B	600	Single	1.2	-	-	-	38	7	48
FQPF6N60	600	Single	1.5	-	-	-	20	3.6	44
FQPF5N60	600	Single	2	-	-	-	16	2.8	40
FQPF4N60	600	Single	2.2	-	-	-	15	2.6	36
SSS4N60B	600	Single	2.5	-	-	-	22	4	33
FQPF3N60	600	Single	3.6	-	-	-	10	2	34
FQPF2N60	600	Single	4.7	-	-	-	9	1.6	28
SSS2N60B	600	Single	5	-	-	-	12.5	2	23
FQPF1N60	600	Single	11.5	-	-	-	5	0.9	21
SSS1N60B	600	Single	12	-	-	-	5.9	1	17
FQPF6N70	700	Single	1.5	-	-	-	30	3.5	48
SSS6N70A	700	Single	1.8	-	-	-	51	4	40
FQPF2N70	700	Single	6.3	-	-	-	8.1	2	28
FQPF8N80C	800	Single	1.55	-	-	-	35	8	59

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-220F N-Channel (cont.)</b>									
FQPF7N80C	800	Single	1.9	-	-	-	27	6.6	56
FQPF6N80	800	Single	1.95	-	-	-	31	3.3	51
FQPF6N80C	800	Single	2.5	-	-	-	21	5.5	51
FQPF5N80	800	Single	2.6	-	-	-	25	2.8	47
FQPF4N80	800	Single	3.6	-	-	-	19	2.2	43
FQPF3N80C	800	Single	4.8	-	-	-	13	3	39
FQPF3N80	800	Single	5	-	-	-	15	1.8	39
FQPF2N80	800	Single	6.3	-	-	-	12	1.5	35
FQPF5N90	900	Single	2.3	-	-	-	31	3	51
FQPF6N90C	900	Single	2.3	-	-	-	30	6	56
FQPF4N90	900	Single	3.1	-	-	-	24	2.5	47
FQPF4N90C	900	Single	4.2	-	-	-	17	4	47
FQPF3N90	900	Single	4.25	-	-	-	20	2.1	43
FQPF2NA90	900	Single	5.8	-	-	-	15	1.7	39
FQPF2N90	900	Single	7.2	-	-	-	12	1.4	35
<b>TO-220F P-Channel</b>									
FQPF3P50	-500	Single	4.9	-	-	-	18	1.9	39
FQPF1P50	-500	Single	10.5	-	-	-	11	1	28
FQPF4P40	-400	Single	3.1	-	-	-	18	2.4	39
FQPF2P40	-400	Single	6.5	-	-	-	10	1.3	28
FQPF9P25	-250	Single	0.62	-	-	-	29	6	50
SFS9644	-250	Single	0.8	-	-	-	45	4.9	40
FQPF6P25	-250	Single	1.1	-	-	-	21	4.2	45
SFS9634	-250	Single	1.3	-	-	-	29	3.4	33
FQPF4P25	-250	Single	2.1	-	-	-	10	2.8	38
SFS9624	-250	Single	2.4	-	-	-	16	2.4	28
FQPF2P25	-250	Single	4	-	-	-	6.5	1.8	32
SFS9614	-250	Single	4	-	-	-	9	1.3	13
FQPF12P20	-200	Single	0.47	-	-	-	31	7.3	50
SFS9640	-200	Single	0.5	-	-	-	46	6.2	40
FQPF7P20	-200	Single	0.69	-	-	-	19	5.2	45
SFS9630	-200	Single	0.8	-	-	-	29	4.4	33
FQPF5P20	-200	Single	1.4	-	-	-	10	3.4	38
SFS9620	-200	Single	1.5	-	-	-	15	3	28
FQPF3P20	-200	Single	2.7	-	-	-	6	2.2	32
SFS9610	-200	Single	3	-	-	-	9	1.4	13
FQPF22P10	-100	Single	0.125	-	-	-	40	13.2	45
FQPF17P10	-100	Single	0.19	-	-	-	30	10.5	41
SFS9540	-100	Single	0.2	-	-	-	43	10.7	53
FQPF12P10	-100	Single	0.29	-	-	-	21	8.2	38
SFS9530	-100	Single	0.3	-	-	-	30	8	39
FQPF8P10	-100	Single	0.53	-	-	-	12	5.3	28
SFS9520	-100	Single	0.6	-	-	-	16	4.6	29
FQPF5P10	-100	Single	1.05	-	-	-	6.3	2.9	23
SFS9510	-100	Single	1.2	-	-	-	9	2.5	16
FQPF47P06	-60	Single	0.026	-	-	-	84	30	62
FQPF27P06	-60	Single	0.07	-	-	-	33	17	47
FQPF17P06	-60	Single	0.12	-	-	-	21	12	39
SFS9Z34	-60	Single	0.14	-	-	-	30	12	36
FQPF11P06	-60	Single	0.175	-	-	-	13	8.6	30
SFS9Z24	-60	Single	0.28	-	-	-	15	7.5	29
SFS2955	-60	Single	0.3	-	-	-	15	7.3	29
FQPF7P06	-60	Single	0.41	-	-	-	6.3	5.3	24
SFS9Z14	-60	Single	0.5	-	-	-	9	5.3	24

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-247 N-Channel</b>									
HUF75345G3	55	Single	0.007	-	-	-	125	75	325
HUFA75345G3	55	Single	0.007	-	-	-	125	75	325
HUF75344G3	55	Single	0.008	-	-	-	90	75	285
HUFA75344G3	55	Single	0.008	-	-	-	90	75	285
HUF75343G3	55	Single	0.009	-	-	-	92	75	270
HUFA75343G3	55	Single	0.009	-	-	-	92	75	270
HUF75339G3	55	Single	0.012	-	-	-	60	75	200
HUFA75339G3	55	Single	0.012	-	-	-	60	75	200
HUF75337G3	55	Single	0.014	-	-	-	51	75	175
HUFA75337G3	55	Single	0.014	-	-	-	51	75	175
HUF75333G3	55	Single	0.016	-	-	-	40	66	145
HUFA75333G3	55	Single	0.016	-	-	-	40	66	145
HUF75332G3	55	Single	0.019	-	-	-	40	60	145
HUFA75332G3	55	Single	0.019	-	-	-	40	60	145
HUF75329G3	55	Single	0.024	-	-	-	35	49	128
HUFA75329G3	55	Single	0.024	-	-	-	35	49	128
FDH038AN08A1	75	Single	0.0038	-	-	-	125	80	450
HUF75652G3	100	Single	0.008	-	-	-	211	75	515
HUFA75652G3	100	Single	0.008	-	-	-	211	75	515
HUF75639G3	100	Single	0.025	-	-	-	57	56	200
HUFA75639G3	100	Single	0.025	-	-	-	57	56	200
IRFP150N	100	Single	0.03	-	-	-	90	44	155
IRFP140N	100	Single	0.04	-	-	-	35	33	120
HUF75852G3	150	Single	0.016	-	-	-	215	75	500
HUFA75852G3	150	Single	0.016	-	-	-	215	75	500
HUF75945G3	200	Single	0.071	-	-	-	118	38	310
HUFA75945G3	200	Single	0.071	-	-	-	118	38	310
FDH34N40	400	Single	0.115	-	-	-	57	34	469
FDH44N50	500	Single	0.12	-	-	-	90	44	625
FDH40N50F	500	Single	0.13	-	-	-	85	42	625
FDH27N50	500	Single	0.19	-	-	-	56	27	450
FDH15N50	500	Single	0.38	-	-	-	33	15	250
<b>TO-3P N-Channel</b>									
FQA170N06	60	Single	0.0056	-	-	-	220	170	375
FQA85N06	60	Single	0.01	-	-	-	86	100	214
FQA65N06	60	Single	0.016	-	-	-	48	72	183
FQA160N08	80	Single	0.007	-	-	-	220	160	375
FQA90N08	80	Single	0.016	-	-	-	84	90	214
FQA70N08	80	Single	0.017	-	-	-	75	77	190
FQA58N08	80	Single	0.024	-	-	-	50	64	180
FQA44N08	80	Single	0.034	-	-	-	38	49.8	163
FQA140N10	100	Single	0.01	-	-	-	220	140	375
SSH70N10A	100	Single	0.023	-	-	-	151	70	300
FQA70N10	100	Single	0.025	-	-	-	85	70	214
FQA55N10	100	Single	0.026	-	-	-	75	61	190
FQA44N10	100	Single	0.039	-	-	-	48	48	180
IRFP150A	100	Single	0.04	-	-	-	75	43	193
FQA33N10	100	Single	0.052	-	-	-	38	36	163
IRFP140A	100	Single	0.052	-	-	-	60	31	131
FQA33N10L	100	Single	0.052	0.055@5V	-	-	30	36	163
FQA90N15	150	Single	0.018	-	-	-	220	90	375
FQA70N15	150	Single	0.028	-	-	-	135	70	330
FQA46N15	150	Single	0.042	-	-	-	85	50	250
SFH154	150	Single	0.075	-	-	-	90	34	204
FQA28N15	150	Single	0.09	-	-	-	40	33	227
FQA65N20	200	Single	0.032	-	-	-	170	65	310
FQA48N20	200	Single	0.05	-	-	-	100	48	280
SSH45N20B	200	Single	0.065	-	-	-	133	45	278
FQA34N20	200	Single	0.075	-	-	-	60	34	210
FQA34N20L	200	Single	0.075	0.08@5V	-	-	55	34	210

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-3P N-Channel (cont.)</b>									
IRFP250B	200	Single	0.085	-	-	-	95	32	204
FQA19N20L	200	Single	0.14	0.15@5V	-	-	27	25	190
FQA19N20	200	Single	0.15	-	-	-	31	23	190
IRFP240B	200	Single	0.18	-	-	-	45	20	180
FQA55N25	250	Single	0.04	-	-	-	140	55	310
FQA40N25	250	Single	0.07	-	-	-	85	40	280
FQA34N25	250	Single	0.085	-	-	-	60	34	245
FQA27N25	250	Single	0.11	-	-	-	50	27	210
IRFP254B	250	Single	0.14	-	-	-	95	25	221
FQA16N25	250	Single	0.23	-	-	-	27	18.5	190
IRFP244B	250	Single	0.28	-	-	-	47	16	180
FQA44N30	300	Single	0.069	-	-	-	120	43.5	310
FQA38N30	300	Single	0.085	-	-	-	90	38.4	290
FQA22N30	300	Single	0.16	-	-	-	47	22	190
FQA14N30	300	Single	0.29	-	-	-	30	15	160
FQA35N40	400	Single	0.105	-	-	-	110	35	310
FQA30N40	400	Single	0.14	-	-	-	90	30	290
FQA20N40	400	Single	0.22	-	-	-	60	19.5	200
FQA17N40	400	Single	0.27	-	-	-	45	17.2	190
IRFP350A	400	Single	0.3	-	-	-	101	17	202
FQA11N40	400	Single	0.48	-	-	-	27	11.8	160
IRFP340B	400	Single	0.54	-	-	-	41	11	162
FQA28N50	500	Single	0.16	-	-	-	110	28.4	310
FQA28N50F	500	Single	0.16	-	-	-	110	28.4	310
FQA24N50	500	Single	0.2	-	-	-	90	24	290
FQA24N50F	500	Single	0.2	-	-	-	90	24	290
IRFP460C	500	Single	0.24	-	-	-	87	14	205
SSH22N50A	500	Single	0.25	-	-	-	182	22	278
FQA18N50V2	500	Single	0.265	-	-	-	42	20	227
FQA16N50	500	Single	0.32	-	-	-	17	16	200
IRFP450B	500	Single	0.4	-	-	-	87	14	205
FQA13N50	500	Single	0.43	-	-	-	45	13.4	190
FQA9N50	500	Single	0.73	-	-	-	28	9.6	160
IRFP440B	500	Single	0.85	-	-	-	41	8.5	162
FQA24N60	600	Single	0.24	-	-	-	110	23.5	310
FQA19N60	600	Single	0.38	-	-	-	70	18.5	300
FQA12N60	600	Single	0.7	-	-	-	42	12	240
SSH10N60B	600	Single	0.8	-	-	-	54	10	193
FQA7N60	600	Single	1	-	-	-	29	7.7	152
SSH7N60B	600	Single	1.2	-	-	-	38	7.3	160
FQA6N70	700	Single	1.5	-	-	-	30	6.4	152
FQA13N80	800	Single	0.75	-	-	-	68	12.6	300
FQA10N80C	800	Single	1.1	-	-	-	44	10	240
FQA8N80C	800	Single	1.55	-	-	-	35	8.4	220
FQA7N80C	800	Single	1.9	-	-	-	27	7	198
FQA6N80	800	Single	1.95	-	-	-	31	6.3	185
FQA11N90	900	Single	0.96	-	-	-	72	11.4	300
FQA11N90C	900	Single	1.1	-	-	-	60	11	300
FQA8N90C	900	Single	1.1	-	-	-	35	8	240
FQA9N90C	900	Single	1.4	-	-	-	45	9	280
FQA5N90	900	Single	2.3	-	-	-	31	5.8	185
FQA6N90C	900	Single	2.3	-	-	-	30	6	198
<b>TO-3P P-Channel</b>									
FQA9P25	-250	Single	0.62	-	-	-	29	10.5	150
SFH9244	-250	Single	0.8	-	-	-	45	8.7	126

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-3P P-Channel (cont.)</b>									
SFH9250L	-200	Single	-	0.23@5V	-	-	90	19.5	204
FQA12P20	-200	Single	0.47	-	-	-	31	12.6	150
SFH9240	-200	Single	0.5	-	-	-	46	11	126
SFH9154	-150	Single	0.2	-	-	-	100	18	204
FQA22P10	-100	Single	0.125	-	-	-	40	24	150
<b>TO-3PF N-Channel</b>									
FQA17P10	-100	Single	0.19	-	-	-	30	18	120
SFH9140	-100	Single	0.2	-	-	-	43	19	166
FQA47P06	-60	Single	0.026	-	-	-	84	55	214
FQAF85N06	60	Single	0.01	-	-	-	86	67	100
FQAF65N06	60	Single	0.016	-	-	-	48	49	86
FQAF90N08	80	Single	0.016	-	-	-	84	56	100
FQAF70N08	80	Single	0.017	-	-	-	75	53	90
FQAF58N08	80	Single	0.024	-	-	-	50	44	85
FQAF44N08	80	Single	0.034	-	-	-	38	35.6	83
FQAF70N10	100	Single	0.025	-	-	-	85	45	100
FQAF44N10	100	Single	0.039	-	-	-	48	33	85
IRFS150A	100	Single	0.04	-	-	-	75	31	100
FQAF33N10	100	Single	0.052	-	-	-	38	25.8	83
IRFS140A	100	Single	0.052	-	-	-	60	23	72
FQAF33N10L	100	Single	0.052	0.055@5V	-	-	30	25.8	83
FQAF70N15	150	Single	0.028	-	-	-	135	44	130
FQAF28N15	150	Single	0.09	-	-	-	40	22	102
SSF45N20B	200	Single	0.065	-	-	-	133	26.4	100
FQAF34N20	200	Single	0.075	-	-	-	60	23	95
FQAF34N20L	200	Single	0.075	0.08@5V	-	-	55	23	95
IRFS250B	200	Single	0.085	-	-	-	95	21.3	90
FQAF19N20L	200	Single	0.14	0.15@5V	-	-	27	16	85
FQAF19N20	200	Single	0.15	-	-	-	31	15	85
IRFS240B	200	Single	0.18	-	-	-	45	12.8	73
FQAF40N25	250	Single	0.07	-	-	-	85	24	108
FQAF34N25	250	Single	0.085	-	-	-	60	21.7	100
IRFS254B	250	Single	0.14	-	-	-	95	16	90
FQAF16N25	250	Single	0.23	-	-	-	27	12.4	85
IRFS244B	250	Single	0.28	-	-	-	47	10.2	73
FQAF14N30	300	Single	0.29	-	-	-	30	11.4	90
SSF25N40A	400	Single	0.2	-	-	-	140	14.3	100
FQAF17N40	400	Single	0.27	-	-	-	45	12.2	100
IRFS350A	400	Single	0.3	-	-	-	101	11.5	92
FQAF11N40	400	Single	0.48	-	-	-	27	8.8	90
IRFS340B	400	Single	0.54	-	-	-	41	8	85
FQAF16N50	500	Single	0.32	-	-	-	17	11.3	110
IRFS450B	500	Single	0.4	-	-	-	87	9.6	96
FQAF13N50	500	Single	0.43	-	-	-	45	9.6	100
FQAF9N50	500	Single	0.73	-	-	-	28	7.2	90
IRFS440B	500	Single	0.85	-	-	-	41	6.2	85
FQAF19N60	600	Single	0.38	-	-	-	70	11.2	120
SSF17N60A	600	Single	0.45	-	-	-	128	9	100
FQAF12N60	600	Single	0.7	-	-	-	42	7.8	100
SSF10N60B	600	Single	0.8	-	-	-	54	6.9	90
SSF7N60B	600	Single	1.2	-	-	-	38	5.4	86
FQAF15N70	700	Single	0.56	-	-	-	70	9.5	120
FQAF6N70	700	Single	1.5	-	-	-	30	4.7	83
FQAF13N80	800	Single	0.75	-	-	-	68	8	120
FQAF8N80	800	Single	1.2	-	-	-	44	5.9	107

Products	BV <sub>DSS</sub> Min (V)	Configuration	R <sub>DS(ON)</sub> Max. (Ohms) @ V <sub>GS</sub> =				Q <sub>g</sub> (nC) Typ @ V <sub>GS</sub> = 5V (Note pg. i)	Maximum Rating	
			10V	4.5V	2.5V	1.8V		I <sub>D</sub> (A)	P <sub>D</sub> (W)
<b>TO-3PF N-Channel (cont.)</b>									
FQAF6N80	800	Single	1.95	-	-	-	31	4.4	90
FQAF11N90	900	Single	0.96	-	-	-	72	7.2	120
FQAF5N90	900	Single	2.3	-	-	-	31	4.1	90
<b>TO-3PF P-Channel</b>									
FQAF9P25	-250	Single	0.62	-	-	-	29	7.1	70
SFF9244	-250	Single	0.8	-	-	-	45	6	60
SFF9250L	-200	Single	-	0.23@5V	-	-	90	12.6	90
FQAF12P20	-200	Single	0.47	-	-	-	31	11.5	70
SFF9240	-200	Single	0.5	-	-	-	46	7.6	60
FQAF22P10	-100	Single	0.125	-	-	-	40	16.6	70
FQAF17P10	-100	Single	0.19	-	-	-	30	12.4	56
SFF9140	-100	Single	0.2	-	-	-	43	13	80
FQAF47P06	-60	Single	0.026	-	-	-	84	38	100
<b>TO-264 N-Channel</b>									
FQL50N40	400	Single	0.075	-	-	-	160	50	460
FQL40N50	500	Single	0.11	-	-	-	155	40	460
FQL40N50F	500	Single	0.11	-	-	-	155	40	460

## Special Function Products

### Application Specific

Products	Function	Polarity	Configuration	Operating Voltage Range		I <sub>LOAD</sub> (typ) (A)	t <sub>rise</sub> (typ) (us)	t <sub>fall</sub> (typ) (us)	P <sub>D</sub> (W)
				V <sub>DD</sub> (min)	V <sub>DD</sub> (max)				
<b>SC70-5</b>									
FDG901D	P-Channel Slew Rate Control Driver	P-Channel	Single	2.7	6	0.00012	28	-	0.15
<b>SuperSOT-6/TSOP-6</b>									
FDC6901L	Integrated Driver & Load Switch	P-Channel	Single Integrated	2.7	6	3	124	-	1.6

### Load Switches

Products	V <sub>IN</sub> Max (V)	V <sub>GS</sub> Max (V)	I <sub>L</sub> (A) @ V <sub>DROP</sub> = 0.2V			R <sub>ON</sub> Max (Ohm) @ V <sub>IN</sub> =					
			12V	5V	2.5V	12V	4.5V	3.3V	2.5V	1.8V	
<b>SC70-6 P-Channel</b>											
FDG6331L	8	8	-	-	0.7	-	0.26	-	0.33	0.45	
FDG6323L	8	8	-	0.36	0.27	-	0.55	-	0.75	-	
FDG6324L	20	8	0.36	0.27	-	0.55	0.75	-	-	-	
<b>SuperSOT-6/TSOP-6 P-Channel</b>											
FDC6331L	8	8	-	2.8	2.5	-	0.055	-	0.07	0.1	
FDC6329L	8	8	-	2.8	1.9	-	0.07	-	0.105	-	
FDC6325L	8	8	-	1.5	1	-	0.13	-	0.18	-	
FDC6323L	8	8	-	1	0.67	-	0.2	0.3	-	-	
FDC6332L	8	-	-	-	-	-	0.35	-	0.5	0.75	
FDC6330L	20	20	2.5	1.6	-	0.08	0.125	-	-	-	
FDC6326L	20	20	1.5	1	-	0.125	0.2	-	-	-	
FDC6324L	20	20	1	0.67	-	0.2	0.3	-	-	-	
<b>SuperSOT-8 P-Channel</b>											
FDR8521L	20	20	2.9	1.8	-	0.07	0.115	-	-	-	

### MOSFET & Schottky Diode Combo

Products	V <sub>DS</sub> (V)	I <sub>D</sub> (A)	R <sub>DS(ON)</sub> Max (Ohm) V <sub>GS</sub> =			Q <sub>G</sub>		Schottky Diode		P <sub>D</sub> (W)
			10V	4.5V	2.5V	(nC)	V <sub>GS</sub> (V)	V <sub>F</sub> (V)	I <sub>F</sub> (A)	
<b>SuperSOT-6/TSOP-6 P-Channel</b>										
FDC6392S	-20	2.2	-	0.15	0.2	3.7	4.5	0.45	1	0.96
<b>TSSOP-8 P-Channel</b>										
FDW6923	-20	3.5	-	0.045	0.075	9.7	4.5	0.5	2	1.2
<b>SO-8 N-Channel</b>										
FDFS6N303	30	6	0.035	0.05	-	12	4.5	0.42	3	2
<b>SO-8 P-Channel</b>										
FDFS2P106A	-60	3	0.11	0.14	-	15	10	0.58	2	2
FDFS2P103	-30	5.3	0.059	0.092	-	5.3	5	0.57	1	2
FDFS2P102	-20	3.3	0.125	0.2	-	3.5	4.5	0.58	2	2
FDFS2P102A	-20	3.3	0.125	0.2	-	2.1	5	0.58	2	2
FDFS2P103A	30	5.3	0.059	0.092	-	5.3	-	0.35	0.25	2



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