Power MOSFET Selection Guide
September 2001

Analog **Discrete** Interface & Logic Optoelectronics

Across the board. Around the world.

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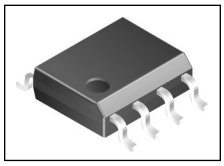
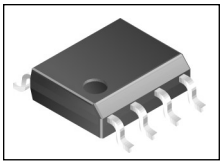


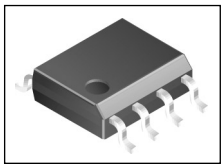
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
SO-8 N-Channel									
RF1K49211	12		20			35	7	2	
RF1K49090			50			12	3.5	2	Dual
FDS6574A	20		6	7	9	75	16	2.5	
FDS6572A			6	7		57	16	2.5	
FDS6570A			7.5	10		47	15	2.5	
NDS8426A			13.5	16@2.7			10.5	2.5	
FDS6890A			18	22		23	7.5	2	Dual
NDS8425			25	30@2.7			7.4	2.5	
FDS9926A			30	43		7	6.5	2	Dual
FDS7760A	30	5.5	8			37	15	2.5	
FDS7064A		5.5	7.5			33			
FDS6688		6	7			40	16	2.5	
FDS6676		7	8			45	14.5	2.5	
FDS7764A			7.5				16	2.5	
FDS6670A		8	10			35	13	2.5	
FDS6672A		8	9.5			33	12.5	2.5	
SI4420DY		9	13			23	12.5	2.5	
FDS6670S		9	12.5			24	13.5	2.5	SyncFET
FDS6680A		9.5	13			23	12.5	2.5	
FDS6680		10	15			19	11.5	2.5	
ITF86130SK8T		7.8	10			31.5	14	2.5	
FDS6680S		11	17			17	11.5	2.5	SyncFET
FDS6694		11	13.5			13	12	2.5	
HUF76132SK8		11.5	16			24	11.5	2.5	
FDS6692		12	14.5			18	12	2.5	
FDS6690A		12.5	17			17	11	2.5	
HUF76131SK8		13	18			22	10	2.5	
FDS4410		13.5	20			13	10	2.5	
FDS6690		13.5	20			13	10	2.5	
SI4410DY		13.5	20			13	10	2.5	
HP4410DY		13.5					10	0	
FDS6982		15	20			18.5	8.6	2	Dual
FDS6690S		28	35			8.5	6.3	2	Dual
		16	25			17	10	2.5	SyncFET
FDS6982S		16	22			17.5	8.6	2	Dual
		28	35			8.5	6.3	2	SyncFET
FDS6614A		18	25			12	9.3	2.5	
FDS6990A		18	23			17	7.5	2	Dual
SI4416DY		18	28			13	9	2.5	
FDS6984S		19	28			11	8.5	2	Dual
		40	55			5	5.5	2	SyncFET
FDS6678A		20	24			13	7.5	2.5	
FDS6612A		22	30			9	8.4	2.5	
FDS9412		22	36			9	7.9	2.5	
FDS6990S		22	30			11	7.5	2	Dual SyncFET
ISL9N322ASK8T		22				8.6	8.3	2.5	
HUF76121SK8		23	31			14	8	2.5	
HUF76112SK8T		26	33			7.2	7.5	2.5	
FDS6912		28	42			7	6	2	Dual
FDS6912A		28	35			9	6	2	Dual
FDS8936A		28	40				6	2	Dual
NDS9410A		28	42			9	7.3	2.5	
SI4412DY		28	42			9	7	2.5	
FDS6986S		29	38			6.5	6.5	2	Dual
		20	28			11	7.9	2	SyncFET
FDS8926A			30	38			5.5	2	Dual
SI9410DY		30	50				7	2.5	
HUF76113SK8		30	41			10	6.5	2.5	
RF1K49156			30			29	6.3	2	
RF1K49157		30	60			25	6.3	2	
HUF76113DK8		32	43			8.4	6	2.5	Dual
NDS8936		35	50				5.3	2	Dual
SI4936DY		37	55			5	5.8	2	Dual
HP4936DY		37					5.8	0	Dual
FDS6630A		38	53			5	6.5	2.5	

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
SO-8 N-Channel (continued)									
FDS6930A	30	40	55			5	5.5	2	Dual
HUF76105DK8		50	78			5.3	5	2.5	Dual
HUF76105SK8		50	78			5.3	5.5	2.5	
RF1K49088			60			13	3.5	2	Dual
NDS9956A		80	110				3.7	2	Dual
FDS6961A		90	140			2.1	3.5	2	Dual
FDS6961AZ		90	140			2.1	3.5	2	Dual
FDS4672A	40		13			35	11	2.5	
NDS9959	50	300	500				2	2	Dual
SSD2007A		300	500			9.5	2	2	
FDS5670	60	14	17@6			49	10	2.5	
FDS5680		20	25@6			30	8	2.5	
FDS5690		28	33@6			23	7	2.5	
HUF76407DK8T		90	105			9.4	3.8	2.5	Dual
SI9945DY		100	200				3.3	2	Dual
FDS9945		100	200			8	3.5	2	Dual
SSD2025		100				24	3.3	2	
NDS8433		7500					3.5	2.5	
NDS8434							3.5	2.5	
NDS8435							3.5	2.5	
NDS9943							3.5	2.5	
NDS9953							3.5	2.5	
NDS9956							3.5	2.5	
FDS3570	80	19	22@6			54	9	2.5	
FDS3580		27	31@6			34	7.6	2.5	
HUF75531SK8		30				37	6	2.5	
FDS3590		37	43@6			23	6.5	2.5	
FDS3890		44	50@6			29	4.7	2	Dual
FDS3512		70	80@6			13	4	2.5	
FDS3812		74	84@6			13	3.4	2	Dual
FDS3670	100	30	33@6			57	6.3	2.5	
HUF75631SK8		39				35	5.5	2.5	
FDS3680		43	48@6			38	5.2	2.5	
FDS3690		59	66@6			28	5	2.5	
FDS3612		120	130@6			14	3.4	2.5	
FDS3912		125	135@6			14	3	2	Dual
FDS3601		480	530@6			3.7	1.3	2	Dual
FDS2570	150	80	90@6			39	4	2.5	
HUF75831SK8T		95				35	3	2.5	
FDS2670	200	130				27	3	2.5	
FQS4901	400	4200				5.8	0.45	2	Dual
FQS4903	500	6200				6.3	0.37	2	Dual
SO-8 P-Channel									
RF1K49093	-12		130			10	2.5	2	Dual
FDS4465	-20		8.5	10.5	14	86	13.5	2.5	
SI4467DY			8.5	2.5	1.8	86	13.5	2.5	
FDS6575			13	17		50	10	2.5	
FDS6576			14	20		43	11	2.5	
FDS6375			24	32		23	8	2.5	
NDS8434A			24	32			7.8	2.5	
SI9424DY			24	32		23	8	2.5	
FDS6875			30	40		23	6	2	Dual
FDS8433A			47	70			5	2.5	
FDS8934A			55	72			4	2	Dual
NDS9405			60	115@2.7			3.5	2.5	
NDS9430		60	115				3.5	2.5	
NDS9430A		60	115				3.5	2.5	
FDS9933A			75	105		8	3.8	2	Dual
FDS9431A			130	180		6	3.5	2.5	
NDS9933A			140	200			2.8	2	Dual
SI9953DY		250	400				2.3	2	Dual
FDS6679	-30	9	13			71	13	2.5	
FDS6679Z		9	13			67	13	2.5	
FDS6675		14	20			30	11	2.5	
FDS4435A		17	25			21	9	2.5	

SO-8

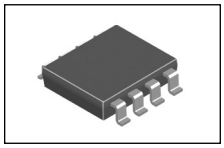


SO-8



Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
SO-8 P-Channel (continued)									
FDS4435	-30	20	35			17	8.8	2.5	
FDS6685		20	35			19	8.8	2.5	
SI4435DY		20	35			17	8.8	2.5	
SI4835DY		20	35			19	8.8	2.5	
NDS8435A		23	35				7.9	2.5	
FDS4935		23	35			15	7	2	Dual
FDS6609A		32	50			18	6	2.5	
FDS6975		32	45			14.5	6	2	Dual
SI4925DY		32	45			14.5	6	2	Dual
FDS9435A		45	75				5.3	2.5	
NDS9435A		50	90				5.3	2.5	
FDS4953		53	95			8	5	2	Dual
SI4953DY		53	95			8	4.9	2	Dual
NDS8947		65	100				4	2.5	
NDS9953A		130	200				2.9	2	Dual
NDS9400A		130	200				3.4	2.5	
FDS9400A		130	200			2.5	3.4	2.5	
FDS9953A		130	200			2.5	2.9	2	Dual
RF1K49223		150	360			8	2.5	2	Dual
FDS4675	-40	13	17			40	11	2.4	
NDS9407	-60	150	240				3	2.5	
NDS9948		250	500				2.3	2	Dual
SO-8 Complementary N-P Channel									
RF1K49092	12		130			12	3.5	2	Comp
FDS4501H	30	18	27			18.5	9.3	2.5	Comp
	-20	18	50	63		18.5	5.6	2.5	Comp
FDS8958A	30	28	40				7	2	Comp
	-30	52	80				5	2	Comp
FDS8928A	30		30	38			5.5	2	Comp
	-20		55	72			4	2	Comp
NDS8858H	30	35	50				6.3	2.5	Comp
	-30	65	100				4.8	2.5	Comp
SI4532DY	30	65	95				3.9	2	Comp
	-30	85	190				3.5	2	Comp
NDS9952A	30	80	110				3.7	2	Comp
	-30	130	200				2.9	2	Comp
FDS4559	60	55	75			12.5	4.5	2	Comp
	-60	105	135			15	3.5	2	Comp
FQS4900	60	550	650			1.6	1.3	2	Comp
	-300	15500	16000			3.6	0	2	Comp

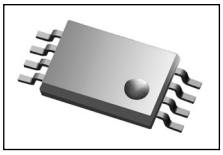
SuperSOT-8



SuperSOT-8 N-Channel									
FDR6580	20		9	11		34	11.2	1.8	
FDR4410	20	13	20				9.3	1.8	
	-30	90	150				4	1.8	
NDH833N	20		20	25@2.7			7.1	1.8	
FDR8305N			22	28		16.2	4.5	0.8	Dual
FDR4420A	30	9	13			23	11	1.8	
FDR6674A		8.5	9.5			33	11.5	1.8	
FDR6678A		20	24			13	7.5	1.8	
SuperSOT-8 P-Channel									
FDR840P	-20		11	16		41	10	1.8	
FDR844P			11	14	20	53	10	1.8	
FDR838P			17	24		30	8	1.8	
FDR836P			30	40			6.1	1.8	
			170	250			1.6	1.8	
NDH834P			35	45@2.7			5.6	1.8	
FDR8308P			50	70		13	3.2	0.8	Dual
NDH832P			60	80@2.7			4.2	1.8	
NDH8304P			70	95@2.7			2.7	0.8	Dual
FDR858P	-30	19	28			21	8	1.8	
FDR856P		25	40				6.3	1.8	
FDR8508P		50	75			8	3	0.8	Dual

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TSSOP-8 N-Channel									
FDW2501N	20		18	28			6	1	Dual
FDW2501NZ			18	25		14	6	1	Dual
FDW2507NZ			19	23		20	7.5	1.6	Dual
FDW2507N			19	23		20	7.5	1.6	Dual
FDW2503N			21	35		10.5	5.5	1	Dual
SI6926DQ			21	35		12	5.5	1	Dual
SI6966DQ			21	35		12	5.5	1	Dual
P-Channel									
FDW252P	-20		12	18			8.8	1.3	
FDW254P			12	15	21.5	60	9.2	1.3	
SI6467DQ			12	15	21.5	60	9.2	1.3	
SI6463DQ			12.5	18		41	8.8	1.3	
FDW2506P			22	32			5.3	1	Dual
FDW2502P			35	57			4.4	1	Dual
FDW2502PZ			35	57		14	4.4	1	Dual
FDW2504P			43	70		10	3.8	1	Dual
SI6963DQ			43	70		9.7	3.8	1	Dual
SI6923DQ			45	75		9.7	3.5	1.2	Dual
FDW262P			47	65	100	13	4.5	1.3	
FDW256P	-30	13.5	20			28	8	1.3	
Complementary N-P Channel									
FDW2520C	20		18	28			7.2	3	Comp
	-20		33	57			5.3	3	Comp
FDW2521C	20		21	35		12	7	1	Comp
	-20		43	72		12	4	1	Comp

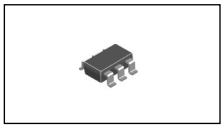
TSSOP-8



SuperSOT-6 N-Channel									
FDC637AN	20		24	32		10.5	6.2	1.6	
SI3446DV			24	32		10.5	6.2	1.6	
NDC631N			60	75@2.7			4.1	1.6	
FDC6401N			70	95		3.3	3	0.96	Dual
FDC6305N			80	120		3.5	2.7	0.9	Dual
SI3442DV		6000	7500			10	4.1	1.6	
FDC6303N	25		450	600@2.7			0.68	0.9	Dual
FDC6301N			4000	5000@2.7			0.22	0.9	Dual
FDC655AN	30	27	35			9	6.3	1.6	
FDC645N		30	26			13	5.5	1.6	
FDC653N		35	55				5	1.6	
FDC633N			42	54			5.2	1.6	
NDC651N		60	90				3.2	1.6	
FDC6561AN		95	145			2.1	2.5	0.9	Dual
SI3948DV		95	145			2.3	2.5	0.96	Dual
NDC7002N	50	2000	4000				0.51	0.9	Dual
FDC5612	60	55	64@6			12.5	4.3	1.6	
FDC3512	80	77	88@6			13	3	1.6	
FDC3612	100	125	135@6			14	2.6	1.6	
FDC3601N		500	550@6			3.7	1	0.96	Dual
FDC2512	150	425	475@6			8	1.4	1.6	
FDC2612	200	725				8	1.1	1.6	
P-Channel									
FDC604P	-20		33	43	60	19	5.5	1.6	
SI3447DV			33	43	60	19	5.5	1.6	
SI3445DV			33	43	60	19	5.5	1.6	
FDC602P			35	50		14	5.5	1.6	
FDC638P			45	65		13	4.5	1.6	
FDC640P			50	77		10	4.5	1.6	
FDC642P			65	100		7.2	4	1.6	
SI3443DV			65	100		7.2	4	1.6	
FDC634P			80	110			3.5	1.6	
SI3441DV			80	110		7.2	3.5	1.6	
FDC6312P			115	155	225	4.4	2.3	0.96	Dual
FDC6310P			125	190		3.7	2.2	0.96	Dual
FDC636P			130	180			2.8	1.6	

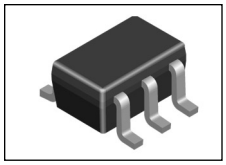
SuperSOT-6

SuperSOT-6



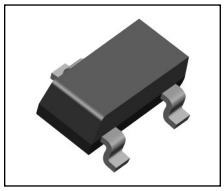
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
SuperSOT-6 P-Channel (continued)									
FDC6306P	-20		170	250		3	1.9	0.9	Dual
FDC6308P			180	300		3	1.7	0.9	Dual
FDC6304P	-25		1100	1500@2.7			0.46	0.9	Dual
FDC6302P			10000	13000@2.7			0.12	0.9	Dual
FDC658P	-30	50	75			8	4	1.6	
SI3457DV		50	75			6	4	1.6	
FDC654P		75	125				3.6	1.6	
SI3455DV		75	125			3.6	3.6	1.6	
NDC652P		110	180			5.5	2.4	1.6	
FDC6506P		170	280			2.3	1.8	0.9	Dual
FDC5614P	-60	100	130			15	3	1.6	
Complementary N-P Channel									
FDC6420C	20		70	95					Comp
	-20		70	95					Comp
FDC6402N	20		70	95		3.3	30	0.96	Comp
	-20		125	190		3.7	2.2	0.96	Comp
FDC6327C	20		80	120		3.2	2.7	0.9	Comp
	-20		170	250		2.8	1.6	0.9	Comp
FDC6321C	25		450	600@2.7			0.68	0.9	Comp
	-25		1100	1500@2.7			0.46	0.9	Comp
FDC6320C	25		4000	5000@2.7			0.22	0.9	Comp
	-25		10000	13000@2.7			0.12	0.9	Comp
FDC6322C	25		4000	5000@2.7			0.22	0.9	Comp
	-25		1100	1500@2.7			0.46	0.9	Comp
FDC6333C	30	95	150			4.7	2.5	0.96	Comp
	-30	150	220			4.1	2	0.96	Comp
NDC7001C	50	2000	4000				0.51	0.9	Comp
	-50	5000	7500				0.34	0.9	Comp

SC70-6



SC70-6 N-Channel									
FDG329N	20		90	115			1.5	0.42	
FDG327N			90	100	140	4.5	1.5	0.42	
FDG311N			115	150		3	1.9	0.48	
FDG313N	25		450	600@2.7			0.95	0.48	
FDG6303N			450	600@2.7			0.5	0.3	Dual
FDG6301N			4000	5000@2.7			0.22	0.3	Dual
FDG315N	30	120	160			2.1	2	0.48	
FDG361N	100	500	550@6			3.7	0.6	0.42	Dual
P-Channel									
FDG328P	-20		135	190			1.5	0.48	
FDG326P			140	180	250		1.5	0.75	
FDG312P			180	250		3.3	1.2	0.48	
FDG318P			200	350		3	1.5	0.48	
FDG6308P			400	550	800	1.8	0.6	0.3	Dual
FDG6306P			420	630		1.4	0.6	0.3	Dual
FDG314P	-25		1100	1500@2.7			0.65	0.48	
FDG6304P			1100	1500@2.7			0.41	0.3	Dual
FDG6302P			10000	13000@2.7			0.14	0.3	Dual
FDG316P	-30	190	300			3.5	1.6	0.48	
Complementary N-P Channel									
FDG6321C	25		450	600@2.7			0.5	0.3	Comp
	-25		1100	1500@2.7			0.41	0.3	Comp
FDG6320C	25		4000	5000@2.7			0.22	0.3	Comp
	-25		10000	13000@2.7			0.14	0.3	Comp
FDG6322C	25		4000	5000@2.7			0.22	0.3	Comp
	-25		1100	1500@2.7			0.41	0.3	Comp

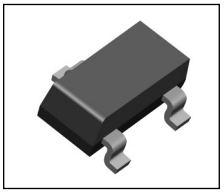
SuperSOT-3



SuperSOT-3 (SOT-23) N-Channel									
FDN339AN	20		35	50		7	3	0.5	
FDN371N			50	60		7.6	2.5	0.5	
FDN335N			70	100		3.5	1.7	0.5	
FDN327N			70	80	120	4.5	2	0.5	
NDS335N			110	140@2.7			1.7	0.5	

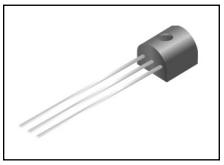
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
SuperSOT-3 / SOT-23 N-Channel (continued)									
NDS331N	20		160	210@2.7			1.3	0.5	
FDV303N	25		450	600@2.7			0.68	0.35	
FDV301N			4000	5000@2.7			0.22	0.35	
FDN359AN	30	46	60			5	2.7	0.5	
FDN357N		60	90				1.9	0.5	
FDN337N			65	82			2.2	0.5	
NDS355AN		85	125				1.7	0.5	
NDS355N		85	125				1.6	0.5	
FDN361AN		100	150			2.1	1.8	0.5	
NDS351AN		160	250				1.2	0.5	
BSS138	50	3500	6000				0.22	0.36	
FDN5630	60	100	120@6			7	1.7	0.5	
NDS7002A		2000	3000				0.28	0.3	
MMBF170		5000					0.5	0.3	
2N7002		7500	7500				0.12	0.2	
NDS351N							3.5	0.5	
BSS123	100	6000	10000				0.17	0.36	
P-Channel									
FDN304P	-20		52	70	100	12	2.4	0.5	
FDN302P			55	80			2.4	0.5	
FDN340P			70	110		8	2	0.5	
FDN342P			80	130		6.3	2	0.5	
FDN308P			125	190		3.8	1.5	0.5	
FDN338P			130	180			1.6	0.5	
FDN336P			200	270		3.6	1.2	0.5	
NDS332P			300	410@2.7			1	0.5	
NDS336P							3.5	0.5	
NDS352P							3.5	0.5	
NDS356P							3.5	0.5	
FDV304P	-25		1100	1500@2.7			0.46	0.35	
FDV302P			10000	13000@2.7			0.12	0.35	
FDN360P	-30	80	125			5	2	0.5	
FDN358P		125	200				1.5	0.5	
NDS356AP		200	300				1.1	0.5	
NDS352AP		300	500				0.9	0.5	
BSS84	-50		10000				0.13	0.36	
FDN5618P	-60	170	230			8.6	1.2	0.5	
NDS0605		5000	7500				0.18	0.36	
NDS0610		10000	20000				0.12	0.36	

SuperSOT-3



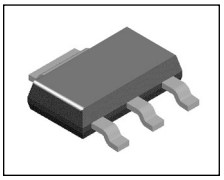
TO-92 N-Channel									
BS270	60	2000	3000				0.4	0.625	
BS170		5000					0.5	0.83	
2N7000		5000	5300				0.2	0.4	
2N7000M		5000					0.2	0.4	
2N7008		7500							
BSS100	100	6000	10000				0.22	0.63	
FQNL2N50B	500	5300				6	0.35	1.5	
FQNL1N50B		9000				4	0.27	1.5	
P-Channel									
BSS110	-50	10000					0.17	0.63	

TO-92

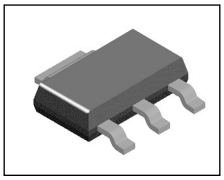


SOT-223 N-Channel									
NDT455N	30	15	20				11.5	3	
NDT453N		28	42				8	3	
HUF76113T3ST		31	40			9.5	4.7	1.1	
FDT459N		35	55				6.5	3	
FDT439N			45	58			6.3	3	
NDT451N		50	80				5.5	3	
FDT457N		60	90				5	3	
HUF75309T3ST	55	70				10.7	3	1.1	
HUF75307T3ST		90				8.3	2.6	1.1	
FQT13N06	60	140				5.8	2.8	2.1	

SOT-223

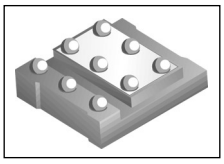


SOT-223



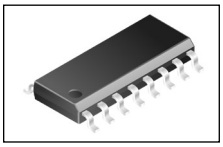
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
SOT-223 N-Channel (continued)									
NDT014L	60	160	200				2.8	3	
FDT3612	100	120	130@6			14	3.7	3	
IRFM120A		200				16	2.3	2.4	
IRFM110A		400				8.5	1.5	2	
IRLM110A			440			5.5	1.5	2.2	
IRLM120A			220			10.2	2.3	2.7	
IRFM220A	200	800				12	1.1	2.4	
IRFM210A		1500				7	0.77	2	
IRLM210A			1500			6.1	0.77	1.8	
IRFM224A	250	1100				14	0.92	2.5	
IRFM214A		2000				8.5	0.64	2.1	
P-Channel									
FDT434P	-20		50	70		14	5.5	3	
NDT456P	-30	30	45				7.5	3	
NDT454P		50	90				5.9	3	
NDT452AP		65	100				5	3	
FDT458P		130	200			2.5	3.4	3	
RFT2P03L		150	360			8	2.1	1.1	
NDT452P		180	320				3	3	
NDT2955	-60	300	500				2.5	3	
SFM9014		500				9	1.8	2.8	
SFM9110	-100	1200				9	1	2.5	
SFM9210	-200	3000				9	0.5	1.6	
SFM9214	-250	4000				9	0.45	1.6	

BGA (Bottomless)



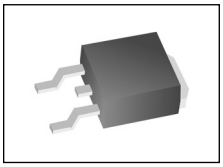
BGA (Bottomless) N-Channel									
FDZ201N	20		18	30			9	2.7	
FDZ2551N			18	30			9	3	Dual
FDZ5047N	30	3.5	5			50	22	3.3	
FDZ7064N		5.7	7.5			33			
P-Channel									
FDZ206P	-20		8.5	13.5					
FDZ202P			45	75		9	5.5	2	
FDZ2552P			45	75			6	3	Dual
FDZ204P			45	75		9	4.5	1.8	

SO-16



SO-16 Complementary N-P Channel									
NDM3000	30	90	130				3	2.5	Motor
	-30	160	250				3	2.5	Motor
NDM3001	30	115	160				2.9	2.5	Motor
	-30	240	360				2.9	2.5	Motor

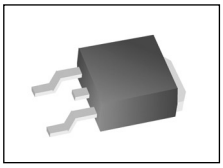
DPAK (TO-252)



DPAK (TO-252) N-Channel									
HUF76013D3S	20	22	30			7.8	20	50	
HUF76009D3S		27	39			5.7	20	41	
FDD6530A			32	47		6.5	21	33	
ISL9N306AD3ST	30	6	9.5			30	50	125	
ISL9N2357D3ST		7				85	50	100	
ISL9N307AD3ST		7				28	50	100	
FDD6676		7.5	8.5			45	78	83	
FDD6670A		8	10			35	66	70	
FDD6672A		8	9.5			33	65	70	
ISL9N308AD3ST		8				24	50	100	
FDD6644		8.5	10.5			25	67	68	
FDD6670S		9.4	13			17	64	70	SyncFET
FDD6680A		9.5	13			23	56	60	
FDD6680		10	15			19	55	60	
ISL9N310AD3ST		10				17	35	70	
FDD6680S		11	17			17	55	60	SyncFET
FDD6692		12	14.5			18	54	57	
ISL9N312AD3ST		12				13	50	75	
FDD6690A		12.5	16			17	46	50	

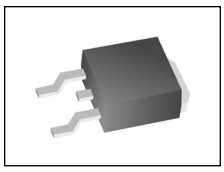
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
DPAK (TO-252) N-Channel (continued)									
ISL9N316AD3ST	30	15.5				13	48	65	
FDD6030BL		16	22			22	42	50	
HUF76129D3S		16	23			22	20	105	
FDD6690S		16.7	24.5			17	40	50	SyncFET
ISL9N318AD3ST		18				8.6	30	45	
FQD60N03L		19	24			34	40.3	56	
HPLR3103		19					20	0	
FDD6612A		20	28			9	30	36	
ISL9N322AD3ST		22				8.6	45	20	
FDD603AL		23	37			9	33	39	
HUF76121D3S		23	33			13	20	75	
FQD45N03L		25	31			20	30	45	
ISL9N327AD3S		27	40			8.7	20	50	
FDD6630A		35	50			5	21	28	
HUF76107D3S		52	85			4.7	20	35	
HUF75329D3S	55	26				32	20	128	
HUF75321D3S		36				21	20	93	
HUF75309D3S		70				11	19	55	
HUF75307D3S		90				9	15	45	
FDD5670	60	15	18@6			49	48	70	
FDD5680		21	24@6			33	38	60	
HUF76429D3S		23	27			38	20	110	
FDD5690		27	32@6			23	30	50	
HUF76423D3S		32	37			28	20	85	
HUF76419D3S		37	43			23	20	75	
FQD30N06L		39	47			15	24	44	
FQD30N06		45				19	22.7	44	
HUF76413D3S		49	56			17	20	60	
FDD5612		55	64@6			7.5	18	42	
FQD20N06LE		60	75			9.5	17.2	38	
FQD20N06L		60	75			9.5	17.2	38	
FQD20N06		63				11.5	16.8	38	
HUF76409D3S		63	71			12	18	49	
HUF76407D3S		92	107			9.4	12	38	
FQD13N06L		110	140			4.8	11	28	
FQD13N06		140				7.5	10	28	
RFD3055SM		150				10	12	53	
FDD3570	80	19	22@6			54	10	69	
FDD3580		29	33@6			35	7.7	42	
FQD24N08		60				19	19.6	50	
FQD17N08L		100	115			8.8	12.9	40	
FQD17N08		115				12	12.9	40	
FQD9N08L		210	230			4.7	7.4	25	
FQD9N08		210				5.9	7.4	25	
FDD3670	100	32	35@6			57	34	83	
FDD3680		46	51@6			38	7	60	
HUF76629D3S		52	54			38	20	110	
FDD3690		64	71@6			28	22	60	
HUF76619D3S		85	87			24	18	75	
HUF75617D3S		90				18	16	64	
FQD19N10L		100	110			14	15.6	50	
FQD19N10		100				19	15.6	50	
IRFR130A		110				27	13	41	
HUF76609D3S		160	165			13	10	49	
FQD13N10L		180	200			8.7	10	40	
FQD13N10	100	180				12	10	40	
IRFR120A		200				16	8.4	32	
IRFR120*		270				9.7	8.4	50	
IRFR120T*		270				9.7	8.4	50	
FQD7N10L		350	380			4.6	5.8	25	
FQD7N10		350				5.8	5.8	25	
IRFR110A		400				8.5	4.7	20	
IRFR110*		540				5.2	4.7	30	
IRFR110T*		540				5.2	4.7	30	
IRLR110A			440			5.5	4.7	22	

DPAK (TO-252)



*These Industry Standard IRF devices can be specified by adding the suffix R494x to the part number when ordering. Example: IRF840AR4944. The suffix will not appear in the brand.

DPAK (TO-252)



Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
DPAK (TO-252) N-Channel (continued)									
IRLR120A	100		220			10.2	8.4	35	
IRLR130A			120			16.9	13	46	
FDD2570	150	80	90@6			39	4.7	70	
HUF75829D3S		110				31	18	110	
HUF75823D3S		150				23	14	85	
FQD16N15		160				23	11.8	55	
FQD14N15		210				18	10	50	
FQD9N15		400				10	7	45	
FDD2512		420	470@6			8	6.7	42	
FQD6N15		600				6.5	5.2	37	
FQD5N15		800				5.4	4.3	30	
FDD2670	200	130				27	3.6	70	
HUF75925D3ST		275				32	11	100	
FQD12N20L		280	320			16	9	55	
FQD12N20		280				18	9	55	
FQD10N20L		360	380			13	7.6	51	
FQD10N20		360				13.5	7.6	51	
FQD630		400				19	7	46	
IRFR230B		400				22	7.5	50	
IRFR230A		400				22	7.5	50	
FQD7N20		690				8	5.3	45	
FDD2612		720				8	4.9	42	
FQD7N20L		750	780			6.8	5.5	45	
IRFR220B		800				12	4.6	40	
IRFR220A		800				12	4.6	40	
IRFR220*		800				12	4.6	50	
IRFR220T*		800				12	4.6	50	
FQD5N20L		1200	1250			4.8	3.8	37	
FQD5N20		1200				6	3.8	37	
FQD4N20L		1350	1400			4	3.2	30	
FQD4N20		1400				5	3	30	
IRFR210B		1500				7.2	2.7	26	
IRFR210A		1500				7	2.7	26	
IRLR210A			1500			6.1	2.7	21	
IRLR220A			800			10.3	4.6	33	
IRLR230A			400			18.6	7.5	48	
FQD9N25	250	420				15.5	7.4	55	
IRFR234B		450				29	6.6	49	
FQD8N25		550				12	6.2	50	
FQD6N25		1000				6.6	4.4	45	
IRFR224B		1100				13.5	3.8	42	
IRFR224A		1100				14	3.8	42	
FQD4N25		1750				4.3	3	37	
IRFR214B		2000				8.1	2.2	25	
IRFR214A		2000				8.5	2.2	25	
FQD3N25		2200				4	2.4	30	
FQD7N30	300	700				13	5.5	50	
FQD5N30		900				9.8	4.4	45	
FQD3N30		2200				5.5	2.4	30	
FQD2N30		3700				3.7	1.7	25	
IRFR330B	400	1000				25	4.5	48	
FQD6N40		1150				13	4.2	50	
FQD5N40		1600				10	3.4	45	
IRFR320B		1750				14	3.1	41	
IRFR320A		1800				19	3.1	41	
IRFR310B	400	3400				7.7	1.7	26	
FQD3N40		3400				6	2	30	
IRFR310A		3600				10	1.7	26	
FQD2N40		5800				4	1.4	25	
IRFR430B	500	1500				25	3.5	48	
FQD5N50		1800				13	3.5	50	
IRFR420B		2600				14	2.3	41	
FQD4N50		2700				10	2.6	45	
IRFR420A		3000				19	2.3	41	
IRFR420RT4941		3000				13	2.5	50	

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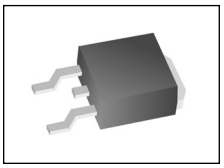
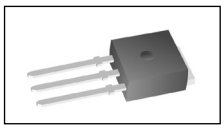
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
DPAK (TO-252) N-Channel (continued)									
FQD2N50	500	5300				6	1.6	30	
SSR1N50B		5500				8.3	1.3	26	
FQD1N50		9000				4	1.1	25	
SSR4N60B	600	2500				22	2.8	49	
FQD3N60		3600				10	2.4	50	
FQD2N60		4700				9	2	45	
SSR2N60B		5000				12.5	1.8	44	
SSR2N60A		5000				15	1.8	44	
FQD1N60		11500				5	1	30	
SSR1N60B		12000				5.9	0.9	28	
SSR1N60A		12000				7.5	0.9	28	
FQD2N80	800	6300				12	1.8	50	
FQD2N90	900	7200				12	1.7	50	
P-Channel									
RFD10P03LSM	-30		220			13	10	65	
FDD5614P	-60	100	130			15	15	42	
FQD17P06		135				21	12	44	
SFR9034		140				30	14	49	
FQD11P06		185				13	9.4	38	
SFR9024		280				15	7.8	32	
FDD5202P		300	500				8	39	
SFR2955		300				15	7.6	32	
FQD7P06		450				6.3	5.4	28	
SFR9014		500				9	5.3	24	
FQD12P10	-100	290				21	9.4	50	
SFR9130		300				30	9.8	57	
FQD8P10		530				12	6.6	44	
SFR9120		600				16	4.9	32	
IRFR9120*		600				12	5.6	42	
IRFR9120T*		600				12	5.6	42	
FQD5P10		1050				6.3	3.6	25	
SFR9110		1200				9	2.8	20	
FQD7P20	-200	690				19	5.7	55	
FQD5P20		1400				10	3.7	45	
SFR9220		1500				15	3.1	30	
IRFR9220T*		1500				20	3.6	42	
FQD3P20		2700				6	2.4	37	
SFR9210		3000				9	1.6	19	
FQD6P25	-250	1100				21	4.7	55	
FQD4P25		2100				10	3.1	45	
SFR9224		2400				16	2.5	30	
SFR9214		4000				9	1.5	19	
FQD2P25		4000				6.5	2	37	
FQD4P40	-400	3100				18	2.7	50	
FQD2P40		6500				10	1.6	38	
SFR9310		8000				17	1.5	36	
FQD3P50	-500	4900				18	2.1	50	
FQD1P50		10500				11	1.2	38	

IPAK (TO-251) N-Channel									
FDU6644	30	8.5	10.5			25	67	68	
FDU6680A		9.5	13			23	56	60	
FDU6692		12	14.5			18	54	57	
FDU6030BL		16	22			22	42	50	
HUF76129D3		16	23			22	20	105	
HPLU3103		19					20	0	
FDU6612A		20	28			9	30	36	
HUF76107D3		52	85			4.7	20	35	
HUF75329D3	55	26				32	20	128	
HUF75321D3		36				21	20	93	
HUF75307D3		90				9	15	45	
HUF76429D3	60	23	27			38	20	110	
HUF76423D3		32	37			28	20	85	
HUF76419D3		37	43			23	20	75	

DPAK (TO-252)



IPAK (TO-251)



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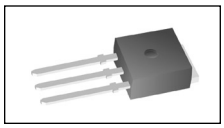
IPAK (TO-251)



Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
IPAK (TO-251) N-Channel (continued)									
FQU30N06L	60	39	47			15	24	44	
FQU30N06		45				19	22.7	44	
HUF76413D3		49	56			17	20	60	
FQU20N06L		60	75			9.5	17.2	38	
FQU20N06		63				11.5	16.8	38	
HUF76409D3		63	71			12	18	49	
HUF76407D3		92	107			9.4	12	38	
FQU13N06L		110	140			4.8	11	28	
FQU13N06		140				5.8	10	28	
FDU3580	80	29	33@6			35	7.7	42	
FQU24N08		60				19	19.6	50	
FQU17N08L		100	115			8.8	12.9	40	
FQU17N08		115				12	12.9	40	
FQU9N08L		210	230			4.7	7.4	25	
FQU9N08		210				5.9	7.4	25	
HUF76629D3	100	52	54			38	20	110	
HUF76619D3		85	87			24	18	75	
HUF75617D3		90				18	16	64	
FQU19N10L		100	110			14	15.6	50	
FQU19N10		100				19	15.6	50	
IRFU130A		110				27	13	41	
HUF76609D3		160	165			13	10	49	
FQU13N10L		180	200			8.7	10	40	
FQU13N10		180				12	10	40	
IRFU120A		200				16	8.4	32	
IRFU120*		270				9.7	8.4	50	
FQU7N10L		350	380			4.6	5.8	25	
FQU7N10		350				5.8	5.8	25	
IRFU110A		400				8.5	4.7	20	
IRFU110*		540				5.2	4.7	30	
IRLU110A			440			5.5	4.7	22	
IRLU120A			220			10.2	8.4	35	
IRLU130A			120			16.9	13	46	
HUF75829D3	150	110				31	18	110	
HUF75823D3		150				23	14	85	
FQU16N15		160				23	11.8	55	
FQU14N15		210				18	10	50	
FQU9N15		400				10	7	45	
FQU6N15		600				6.5	5.2	37	
FQU5N15		800				5.4	4.3	30	
FQU12N20L	200	280	320			16	9	55	
FQU12N20		280				18	9	55	
FQU10N20L		360	380			13	7.6	51	
FQU10N20		360				13.5	7.6	51	
FQU630		400				19	7	46	
IRFU230B		400				22	7.5	50	
IRFU230A		400				22	7.5	50	
FQU7N20		690				8	5.3	45	
FQU7N20L		750	780			6.8	5.5	45	
IRFU220B		800				12	4.6	40	
IRFU220A		800				12	4.6	40	
IRFU220*	200	800				12	4.6	50	
FQU5N20L		1200	1250			4.8	3.8	37	
FQU5N20		1200				6	3.8	37	
FQU4N20L		1350	1400			4	3.2	30	
FQU4N20		1400				5	3	30	
IRFU210B		1500				7.2	2.7	26	
IRFU210A		1500				7	2.7	26	
IRLU210A			1500			6.1	2.7	21	
IRLU220A			800			10.3	4.6	33	
IRLU230A			400			18.6	7.5	48	
FQU9N25	250	420				15.5	7.4	55	
IRFU234B		450				29	6.6	49	
FQU8N25		550				12	6.2	50	
FQU6N25		1000				6.6	4.4	45	

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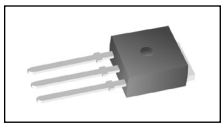
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
IPAK (TO-251) N-Channel (continued)									
IRFU224B	250	1100				13.5	3.8	42	
IRFU224A		1100				14	3.8	42	
FQU4N25		1750				4.3	3	37	
IRFU214B		2000				8.1	2.2	25	
IRFU214A		2000				8.5	2.2	25	
FQU3N25		2200				4	2.4	30	
FQU7N30	300	700				13	5.5	50	
FQU5N30		900				9.8	4.4	45	
FQU3N30		2200				5.5	2.4	30	
FQU2N30		3700				3.7	1.7	25	
IRFU330B	400	1000				25	4.5	48	
FQU6N40		1150				13	4.2	50	
FQU5N40		1600				10	3.4	45	
IRFU320B		1750				14	3.1	41	
IRFU320A		1800				19	3.1	41	
IRFU310B		3400				7.7	1.7	26	
FQU3N40		3400				6	2	30	
IRFU310A		3600				10	1.7	26	
FQU2N40		5800				4	1.4	25	
IRFU430B	500	1500				25	3.5	48	
FQU5N50		1800				13	3.5	50	
IRFU420B		2600				14	2.3	41	
FQU4N50		2700				10	2.6	45	
IRFU420A		3000				19	2.3	41	
FQU2N50		5300				6	1.6	30	
SSU1N50B		5500				8.3	1.3	26	
IRFU410A		5500				9.5	1.3	26	
FQU1N50		9000				4	1.1	25	
IRFU410B		10000				5.1	0.9	20	
SSU4N60B	600	2500				22	2.8	49	
FQU3N60		3600				10	2.4	50	
FQU2N60		4700				9	2	45	
SSU2N60B		5000				12.5	1.8	44	
SSU2N60A		5000				15	1.8	44	
FQU1N60		11500				5	1	30	
SSU1N60B		12000				5.9	0.9	28	
SSU1N60A		12000				7.5	0.9	28	
FQU2N80	800	6300				12	1.8	50	
FQU2N90	900	7200				12	1.7	50	
P-Channel									
RFD10P03L	-30		220			13	10	65	
FQU17P06	-60	135				21	12	44	
SFU9034		140				30	14	49	
FQU11P06		185				13	9.4	38	
SFU9024		280				15	7.8	32	
SFU2955		300				15	7.6	32	
FQU7P06		450				6.3	5.4	28	
SFU9014		500				9	5.3	24	
FQU12P10	-100	290				21	9.4	50	
SFU9130		300				30	9.8	57	
FQU8P10		530				12	6.6	44	
SFU9120	-100	600				16	4.9	32	
IRFU9120*		600				12	5.6	42	
FQU5P10		1050				6.3	3.6	25	
SFU9110		1200				9	2.8	20	
FQU7P20	-200	690				19	5.7	55	
FQU5P20		1400				10	3.7	45	
SFU9220		1500				15	3.1	30	
FQU3P20		2700				6	2.4	37	
SFU9210		3000				9	1.6	19	
FQU6P25	-250	1100				21	4.7	55	
FQU4P25		2100				10	3.1	45	
SFU9224		2400				16	2.5	30	
SFU9214		4000				9	1.5	19	
FQU2P25		4000				6.5	2	37	

IPAK (TO-251)



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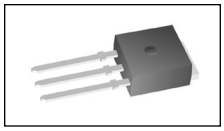
IPAK (TO-251)



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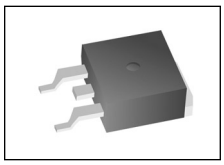

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
IPAK (TO-251) P-Channel (continued)									
FQU4P40	-400	3100				18	2.7	50	
FQU2P40		6500				10	1.6	38	
SFU9310		8000				17	1.5	36	
FQU3P50	-500	4900				18	2.1	50	
FQU1P50		10500				11	1.2	38	
TO-263 N-Channel									
ISL9N302AS3ST	30	2.3	3.3			110	75	345	
ISL9N303AS3ST		3.2	5			68	75	215	
FDB8030L		3.5	4.5			120	80	187	
FDB7045L		4.5	6			50	100	125	
HUF76145S3S		4.5				73	75	0	
ISL9N304AS3ST		4.5	7.5			38	75	145	
HUF76143S3S		5.5	8.5			50	75	225	
FDB6676		6	7.5			43	84	93	
ISL9N306AS3ST		6	9.5			30	75	125	
FDB6670AL		6.5	8.5			35	80	75	
FDB6676S		6.7	8.2			40	76	70	SyncFET
FDB7030L		7	10				100	125	
ISL9N307AS3ST		7				28	75	100	
FDB7042L		7.5	9			32	50	83	
HUF76139S3S		7.5	11			38	75	165	
ISL9N308AS3ST		8				24	75	100	
FDB6644		8.5	15			27	50	83	
FDB7030BL		9	12			23	60	65	
HUF76137S3S		9	14			31	75	145	
ISL9N7030BLS3ST		9				24	12.9	2.5	
FDB6644S		10	12			27	55	60	SyncFET
ISL9N310AS3ST		10				17	62	70	
RF1S70N03SM		10				120	70	150	
FDB7030BLS		10.5	16.5			15	56	65	SyncFET
FDB6035L		11	19				58	75	
HUF76132S3S		11	18			25	75	120	
ISL9N312AS3ST		12				13	58	75	
FDB6035AL		12.5	17			17	48	58	
FDB6030L		13.5	20				52	75	
FQB60N03L		13.5	19			34	60	100	
ISL9N316AS3ST		15.5				13	48	65	
HUF76129S3S		16	23			19	56	105	
FDB6030BL		18	24			12	40	60	
HUF76121S3S		21	31			13	47	75	
NDB603AL		22	40				25	50	
FDB603AL		22	36				33	50	
ISL9N322AS3ST		22				8.6	33	45	
FDB4030L		35	55				20	37.5	
HUF75345S3S	55	7				125	75	325	
HRF3205S		8				170	75	175	
HUF75343S3S		9				92	75	270	
HUF75339S3S		12				60	75	200	
HUF75337S3S		14				51	75	175	
HUF75321S3S	55	34				21	35	93	
HUF76445S3S	60	6.5	7.5			124	75	310	
HUF76443S3S		8	9.5			107	75	260	
FDB5645		9.5	11@6			76	80	125	
FQB85N06		10				86	85	160	
HUF76439S3S		12	14			70	75	180	
HUF76437S3S		14	17			59	71	155	
FQB65N06		16				48	65	150	
HUF76432S3S		17	19			44	59	130	
FDB5680		20	23@6			33	40	65	
FQB55N06		20				35	55	133	
FQB50N06L		21	25			24.5	52	121	
FQB50N06		22				31	50	120	
HUF76429S3S		22	25			38	47	110	

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-263 N-Channel (continued)									
FDB5690	60	27	32@6			23	32	58	
HUF76423S3S		30	35			28	35	85	
FQB30N06L		35	45			15	32	79	
HUF76419S3S		35	40			22	29	75	
FQB30N06		40				19	30	79	
FQB20N06L		55	70			9.5	21	53	
FQB20N06		60				11.5	20	53	
FQB13N06L		110	140			4.8	13.6	45	
FQB13N06		135				5.8	13	45	
HUF75545S3S	80	10				105	75	270	
HUF75542S3S		14				80	75	230	
FQB90N08		16				84	71	160	
FQB70N08		17				75	70	155	
FQB58N08		24				50	57	146	
FQB44N08		34				38	44	127	
FQB24N08		60				19	24	75	
FQB17N08L		100	115			8.8	16.5	65	
FQB17N08		115				12	16.5	65	
FQB9N08L		210	230			4.7	9.3	40	
FQB9N08		210				5.9	9.3	40	
HUF75645S3S	100	14				106	75	310	
HUF76645S3S		14	15			127	75	310	
FQB70N10		25				85	57	160	
HUF75639S3S		25				57	56	200	
FQB55N10		26				75	55	155	
HUF76639S3S		26	27			71	51	180	
HUF75637S3S		30				48	44	155	
HUF76633S3S		35	36			56	39	145	
FQB44N10		39				48	43.5	146	
IRFW550A		40				75	40	167	
HUF75631S3S		40				35	33	120	
IRFW540A		52				60	28	107	
FQB33N10L		52	55			30	33	127	
FQB33N10		52				38	33	127	
HUF75623S3S		64				23	22	85	
FQB19N10L		100	110			14	19	75	
FQB19N10		100				19	19	75	
IRFW530A		110				27	14	55	
FQB13N10L		180	200			8.7	12.8	65	
FQB13N10		180				12	12.8	65	
IRFW520A		200				16	9.2	45	
FQB7N10L		350	380			4.6	7.3	40	
FQB7N10		350				5.8	7.3	40	
IRFW510A		400				8.5	5.6	33	
IRLW510A			440			5.5	5.6	37	
IRLW520A			220			10.2	9.2	49	
IRLW530A			120			16.9	14	62	
IRLW540A			58			38.4	28	121	
FQB46N15	150	42				85	45.6	210	
HUF75842S3S		42				77	43	230	
FDB2570		80	90@6			40	22	93	
FQB28N15		90				40	28	168	
FQB16N15		160				23	16.4	108	
FQB14N15		210				18	14.4	104	
FQB9N15		400				10	9	75	
FQB6N15		600				6.5	6.4	63	
FQB5N15		800				5.4	5.4	54	
HUF75945S3ST	200	71				118	38	310	
FQB34N20L		75	80			55	31	180	
FQB34N20		75				60	31	180	
RFW650B		85				95	28	156	
HUF75939S3ST		125				64	22	180	
FDB2670		130				27	19	93	
FQB19N20L		140	150			27	21	140	
FQB19N20		150				31	19.4	140	

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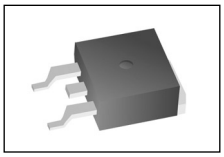
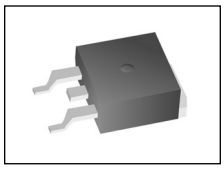


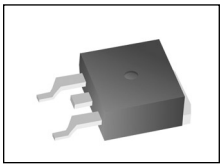
TO-263



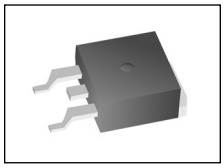
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-263 N-Channel (continued)									
IRFW640B	200	180				45	18	139	
IRFW640A		180				44	18	139	
FQB12N20L		280	320			16	11.6	90	
FQB12N20		280				18	11.6	90	
FQB10N20L		360	380			13	10	87	
FQB10N20		360				13.5	10	87	
IRFW630B		400				22	9	72	
IRFW630A		400				22	9	72	
FQB630		400				19	9	78	
FQB7N20		690				8	6.6	63	
FQB7N20L		750	780			6.8	6.5	63	
IRFW620B		800				12	5	47	
IRFW620A		800				12	5	47	
FQB5N20L		1200	1250			4.8	4.5	52	
FQB5N20		1200				6	4.5	52	
FQB4N20L		1350	1400			4	3.8	45	
FQB4N20		1400				5	3.6	45	
IRFW610B		1500				7.2	3.3	38	
IRFW610A		1500				7	3.3	38	
IRLW610A			1500			6.1	3.3	33	
IRLW620A			800			10.3	5	39	
IRLW630A			400			18.6	9	69	
IRLW640A			180			40	18	110	
FQB27N25	250	110				50	25.5	180	
IRFW654B		140				95	15	156	
FQB16N25		230				27	16	142	
IRFW644B		280				47	14	139	
IRFW644A		280				46	14	139	
FQB9N25		420				15.5	9.4	90	
IRFW634B		450				29	8.1	74	
IRFW634A		450				30	8.1	74	
FQB8N25		550				12	8	87	
FQB6N25		1000				6.6	5.5	63	
IRFW624B		1100				13.5	4.1	49	
IRFW624A		1100				14	4.1	49	
FQB4N25		1750				4.3	3.6	52	
IRFW614B		2000				8.1	2.8	40	
IRFW614A		2000				8.5	2.8	40	
FQB3N25		2200				4	2.8	45	
FQB14N30	300	290				30	9.1	147	
FQB9N30		450				17	9	98	
FQB7N30		700				13	7	85	
FQB5N30		900				9.8	5.4	70	
FQB3N30		2200				5.5	3.2	55	
FQB2N30		3700				3.7	2.1	40	
FQB11N40	400	480				27	11.4	147	
IRFW740B		540				41	10	134	
IRFW740A		550				58	10	134	
FQB7N40		800				16.5	7	98	
IRFW730B		1000				25	5.5	73	
IRFW730A		1000				32	5.5	73	
FQB6N40		1150				13	5.5	85	
FQB5N40		1600				10	4.5	70	
IRFW720B		1750				14	3.3	46	
IRFW720A		1800				19	3.3	46	
IRFW710B		3400				7.7	2	36	
FQB3N40		3400				6	2.5	55	
IRFW710A		3600				10	2	36	
FQB6N45	450	1100				16	6.2	98	
FQB9N50	500	730				28	9	147	
IRFW840B		850				41	8	134	
IRFW840A		850				57	8	134	
FQB6N50		1300				17	5.5	98	
IRFW830A		1500				33	4.5	73	
FQB5N50		1800				13	4.5	85	

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-263 N-Channel (continued)									
IRFW820B	500	2600				14	2.5	49	
FQB4N50		2700				10	3.4	70	
IRFW820A		3000				19	2.5	49	
FQB2N50		5300				6	2.1	55	
SSW1N50B		5500				8.3	1.5	36	
SSW1N50A		5500				11	1.5	36	
FQB12N60	600	700				42	10.5	180	
SSW10N60B		800				54	9	156	
FQB7N60		1000				29	7.4	142	
SSW7N60B		1200				38	7	147	
SSW7N60A		1200				49	7	147	
FQB6N60		1500				20	6.2	130	
FQB5N60		2000				16	5	120	
FQB4N60		2200				15	4.4	106	
SSW4N60B		2500				22	4	100	
FQB3N60		3600				10	3	75	
FQB2N60		4700				9	2.4	64	
SSW2N60B		5000				12.5	2	54	
SSW2N60A		5000				15	2	54	
FQB1N60		11500				5	1.2	40	
SSW1N60B		12000				5.9	1	34	
SSW1N60A		12000				7.5	1	34	
FQB6N70	700	1500				30	6.2	142	
FQB7N80	800	1500				40	6.6	167	
FQB6N80		1950				31	5.8	158	
SSW5N80A		2200				52	5	140	
FQB5N80		2600				25	4.8	140	
FQB4N80		3600				19	3.9	130	
FQB3N80		5000				15	3	107	
FQB2N80		6300				12	2.4	85	
FQB6N90	900	1900				40	5.8	167	
FQB5N90		2300				31	5.4	158	
FQB4N90		3100				24	4.2	140	
FQB3N90		4250				20	3.6	130	
FQB2NA90		5800				15	2.8	107	
SSW3N90A		6200				28	3	100	
FQB2N90		7200				12	2.2	85	
P-Channel									
FDB6021P	-20		30	40	65	20	28	37	
NDB6020P			50	70@2.7			24	60	
FQB47P06	-60	26				84	47	160	
FQB27P06		70				33	27	120	
FQB17P06		120				21	17	79	
SFW9Z34		140				30	18	82	
FQB11P06		175				13	11.4	53	
SFW9Z24		280				15	9.7	49	
SFW2955		300				15	9.4	49	
FQB7P06		410				6.3	7	45	
SFW9Z14		500				9	6.7	38	
FQB22P10	-100	125				40	22	125	
FQB17P10		190				30	16.5	100	
SFW9540	-100	200				43	17	132	
FQB12P10		290				21	11.5	75	
SFW9530		300				30	10.5	66	
FQB8P10		530				12	8	65	
SFW9520		600				16	6	49	
FQB5P10		1050				6.3	4.5	40	
SFW9510		1200				9	3.6	32	
FQB12P20	-200	470				31	11.5	120	
SFW9640		500				46	11	123	
FQB7P20		690				19	7.3	90	
SFW9630		800				29	6.5	70	
FQB5P20		1400				10	4.8	75	
SFW9620		1500				15	3.5	38	
FQB3P20		2700				6	2.8	52	

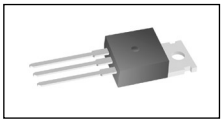
TO-263



TO-263



TO-220



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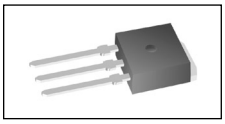
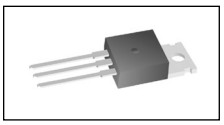


Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-263 P-Channel (continued)									
SFW9610	-200	3000				9	1.8	20	
FQB9P25	-250	620				29	9.4	120	
SFW9644		800				45	8.6	123	
FQB6P25		1100				21	6	90	
SFW9634		1300				29	5	70	
FQB4P25		2100				10	4	75	
SFW9624		2400				16	2.7	38	
SFW9614		4000				9	1.6	20	
FQB2P25		4000				6.5	2.3	52	
FQB4P40	-400	3100				18	3.5	85	
FQB2P40		6500				10	2	63	
FQB3P50	-500	4900				18	2.7	85	
FQB1P50		10500				11	1.5	63	
TO-220 / I²PAK N-Channel									
HUF76013P3	20	22	30			7.5	20	50	
HUF76009P3		27	39			5.7	20	41	
ISL9N302AP3	30	2.5	3.3			110	75	345	
ISL9N303AP3		3.2	5			61	75	215	
FDP8030L		3.5	4.5			120	80	187	
FDP7045L		4.5	6			50	100	125	
HUF76145P3		4.5	6.5			73	75	270	
ISL9N304AP3		4.5	7.5			38	75	145	
HUF76143P3		5.5	8.5			50	75	225	
FDP6676		6	7.5			43	84	93	
ISL9N306AP3		6	9.5			30	75	125	
FDP6670AL		6.5	8.5			35	80	75	
FDP6676S		6.7	8.2			40	76	70	SyncFET
FDP7030L		7	10				100	125	
ISL9N307AP3		7				28	75	100	
FDP7042L		7.5	9			32	50	83	
HUF76139P3		7.5	11			38	75	165	
ISL9N308AP3		8				24	75	100	
FDP6644		8.5	15			27	50	83	
FDP7030BL		9	12			23	60	65	
HUF76137P3		9	14			31	75	145	
ISL9N7030BLP3		9				24	75	100	
FDP6644S		10	12			27	55	60	SyncFET
ISL9N310AP3		10				17	62	70	
RF1S70N03		10				120	70	150	
RFP70N03		10				120	70	150	
FDP7030BLS		10.5	16.5			15	56	65	SyncFET
FDP6035L		11	19				58	75	
HUF76132P3		11	18			25	75	120	
ISL9N312AP3		12				13	58	75	
FDP6035AL		12.5	17			17	48	58	
FDP6030L		13.5	20				52	75	
FQP60N03L		13.5	19			34	60	100	
ISL9N316AP3		15.5				13	48	65	
HUF76129P3		16	23			19	56	105	
FDP6030BL		18	24			12	40	60	
FQP45N03L		18	25			20	45	75	
HUF76121P3		21	31			13	47	75	
FDP603AL		22	36				33	50	
NDP603AL		22	40				25	50	
ISL9N322AP3		22				8.6	33	45	
FDP4030L		35	55				20	37.5	
HUF76107P3		52	85			4.7	20	35	
BUZ11*	50	40					30	75	
BUZ71*		100					14	40	
BUZ71A*		120					13	40	
HUF75345P3	55	7				125	75	325	
HUF75345S3		7				125	75	325	
HRF3205		8				170	75	175	

*These Industry Standard IRF devices can be specified by adding the suffix R494x to the part number when ordering. Example: IRF840AR4944. The suffix will not appear in the brand.

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK N-Channel (continued)									
HUF75344P3	55	8				90	75	285	
HUF75343P3		9				92	75	270	
HUF75343S3		9				92	75	270	
HUF75339P3		12				60	75	200	
HUF75337P3		14				51	75	175	
HUF75333P3		16				40	66	150	
HUF75333S3		16				40	66	150	
HUF75332P3		19				40	60	145	
HRFZ44N		22				43	49	120	
HUF75229P3		22				35	44	90	
HUF75329P3		26				35	49	128	
HUF75329S3		26				35	49	128	
HUF75321P3		34				21	35	93	
HUF75309P3		70				11	19	55	
HUF75307P3		90				9	15	45	
HUF76445P3	60	6.5	7.5			124	75	310	
HUF76443P3		8	9.5			107	75	260	
FDP5645		9.5	11@6			76	80	125	
FQPF85N06		10				86	53	62	
FQP85N06		10				86	85	160	
FQI85N06		10				86	85	160	
HUF76439P3		12	14			70	75	180	
HUF76437P3		14	17			59	71	155	
FQPF65N06		16				48	40	56	
FQP65N06		16				48	65	150	
FQI65N06		16				48	65	150	
HUF76432P3		17	19			44	59	130	
FDP5680		20	23@6			33	40	65	
FQPF55N06		20				35	33	48	
FQP55N06		20				35	55	133	
FQI55N06		20				35	55	133	
FQPF50N06L		21	25			24.5	32.6	47	
FQP50N06L		21	25			24.5	52	121	
FQI50N06L		21	25			24.5	52	121	
FQPF50N06		22				31	31	47	
FQP50N06		22				31	50	120	
FQI50N06		22				31	50	120	
HUF76429P3		22	25			38	47	110	
FDP5690		27	32@6			23	32	58	
HUF76423P3		30	35			28	35	85	
FQPF30N06L		35	45			15	22.5	38	
FQP30N06L		35	45			15	32	79	
FQI30N06L		35	45			15	32	79	
HUF76419P3		35	40			22	29	75	
FQPF30N06		40				19	21	39	
FQP30N06		40				19	30	79	
FQI30N06		40				19	30	79	
RF1S25N06		47				35	25	72	
HUF76413P3		49	56			17	23	60	
FQPF20N06L		55	70			9.5	15.7	30	
FQP20N06L		55	70			9.5	21	53	
FQI20N06L		55	70			9.5	21	53	
FQPF20N06		60				11.5	15	30	
FQP20N06		60				11.5	20	53	
FQI20N06		60				11.5	20	53	
HUF76409P3		62	70			12	18	49	
HUF76407P3		92	107			9.4	13	38	
FQPF13N06L		110	140			4.8	10	24	
FQP13N06L		110	140			4.8	13.6	45	
FQI13N06L		110	140			4.8	13.6	45	
FQPF13N06		135				5.8	9.4	24	
FQP13N06		135				5.8	13	45	
FQI13N06		135				5.8	13	45	
HUF75545P3	80	10				105	75	270	
HUF75542P3		14				80	75	230	

TO-220



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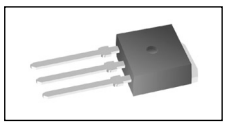
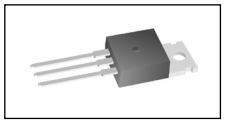


TO-220



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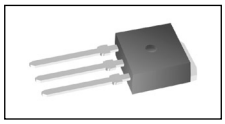

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK N-Channel (continued)									
FQPF90N08	80	16				84	44	62	
FQP90N08		16				84	71	160	
FQI90N08		16				84	71	160	
FQPF70N08		17				75	43.6	60	
FQP70N08		17				75	70	155	
FQI70N08		17				75	70	155	
FQPF58N08		24				50	35	55	
FQP58N08		24				50	57	146	
FQI58N08		24				50	57	146	
FQPF44N08		34				38	25	41	
FQP44N08		34				38	44	127	
FQI44N08		34				38	44	127	
FQPF24N08		60				19	17	38	
FQP24N08		60				19	24	75	
FQI24N08		60				19	24	75	
FQPF17N08L		100	115			8.8	11.2	30	
FQP17N08L		100	115			8.8	16.5	65	
FQI17N08L		100	115			8.8	16.5	65	
FQPF17N08		115				12	11.2	30	
FQP17N08		115				12	16.5	65	
FQI17N08		115				12	16.5	65	
FQPF9N08L		210	230			4.7	7	23	
FQPF9N08		210				5.9	7	23	
FQP9N08L		210	230			4.7	9.3	40	
FQI9N08L		210	230			4.7	9.3	40	
FQP9N08		210				5.9	9.3	40	
FQI9N08		210				5.9	9.3	40	
HUF75645P3	100	14				106	75	310	
HUF76645P3		14	15			127	75	310	
SSS70N10A		23				151	28	49	
FQPF70N10		25				85	35	62	
FQP70N10		25				85	57	160	
FQI70N10		25				85	57	160	
HUF75639P3		25				57	56	200	
HUF75639S3		25				57	56	200	
FQPF55N10		26				75	34.2	60	
FQP55N10		26				75	55	155	
FQI55N10		26				75	55	155	
HUF76639P3		26	27			71	51	180	
HUF75637P3		30				48	44	155	
HUF76633P3		35	36			56	39	145	
FQPF44N10		39				48	27	55	
FQP44N10		39				48	43.5	146	
FQI44N10		39				48	43.5	146	
IRFS550A		40				75	21	46	
IRFI550A		40				75	40	167	
IRF550A		40				75	40	167	
HUF75631P3		40				35	33	120	
IRF540N*		40				35	33	120	
IRFS540A		52				60	17	39	
FQPF33N10L		52	55			30	18	41	
FQPF33N10		52				38	18	41	
IRFI540A		52				60	28	107	
IRF540A		52				60	28	107	
FQP33N10L		52	55			30	33	127	
FQI33N10L		52	55			30	33	127	
FQP33N10		52				38	33	127	
FQI33N10		52				38	33	127	
HUF75623P3		64				23	22	85	
IRF530N*		64				23	22	85	
IRF540*		77				38	28	120	
FQPF19N10L		100	110			14	13.6	38	
FQPF19N10		100				19	13.6	38	
FQP19N10L		100	110			14	19	75	
FQI19N10L		100	110			14	19	75	

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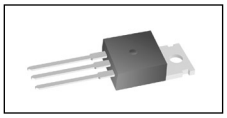
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK N-Channel (continued)									
FQP19N10	100	100				19	19	75	
FQI19N10		100				19	19	75	
IRFS530A		110				27	10.7	32	
IRFI530A		110				27	14	55	
IRF530A		110				27	14	55	
IRF530*		160				18	14	79	
FQPF13N10L		180	200			8.7	8.7	30	
FQPF13N10		180				12	8.7	30	
FQP13N10L		180	200			8.7	12.8	65	
FQI13N10L		180	200			8.7	12.8	65	
FQP13N10		180				12	12.8	65	
FQI13N10		180				12	12.8	65	
IRFS520A		200				16	7.2	28	
IRFI520A		200				16	9.2	45	
IRF520A		200				16	9.2	45	
IRF520*		270				10	9.2	60	
FQPF7N10L		350	380			4.6	5.5	23	
FQPF7N10		350				5.8	5.5	23	
FQP7N10L		350	380			4.6	7.3	40	
FQI7N10L		350	380			4.6	7.3	40	
FQP7N10		350				5.8	7.3	40	
FQI7N10		350				5.8	7.3	40	
IRFS510A		400				8.5	4.5	21	
IRFI510A		400				8.5	5.6	33	
IRF510A		400				8.5	5.6	33	
IRF510*		540				5	5.6	43	
IRLS510A			440			5.5	4.5	23	
IRLI510A			440			5.5	5.6	37	
IRL510A			440			5.5	5.6	37	
IRLS520A			220			10.2	7.2	30	
IRLI520A			220			10.2	9.2	49	
IRL520A			220			10.2	9.2	49	
IRLS530A			120			16.9	10.7	36	
IRLI530A			120			16.9	14	62	
IRL530A			120			16.9	14	62	
IRLS540A			58			38.4	17	44	
IRLI540A			58			38.4	28	121	
IRL540A			58			38.4	28	121	
FQPF46N15	150	42				85	25.6	66	
FQP46N15		42				85	45.6	210	
FQI46N15		42				85	45.6	210	
HUF75842P3		42				77	43	230	
HUF75842S3		42				77	43	230	
FDP2570		80	90@6			40	22	93	
FQPF28N15		90				40	16.7	60	
FQP28N15		90				40	28	168	
FQI28N15		90				40	28	168	
FQPF16N15		160				23	11.6	53	
FQP16N15		160				23	16.4	108	
FQI16N15		160				23	16.4	108	
FQPF14N15		210				18	9.8	48	
FQP14N15	150	210				18	14.4	104	
FQI14N15		210				18	14.4	104	
FQPF9N15		400				10	6.9	44	
FQP9N15		400				10	9	75	
FQI9N15		400				10	9	75	
FQPF6N15		600				6.5	5	38	
FQP6N15		600				6.5	6.4	63	
FQI6N15		600				6.5	6.4	63	
FQPF5N15		800				5.4	4.2	32	
FQP5N15		800				5.4	5.4	54	
FQI5N15		800				5.4	5.4	54	
SSS45N20B	200	65				133	20	57	
SSP45N20B		65				133	35	176	
HUF75945P3		71				118	38	310	

TO-220



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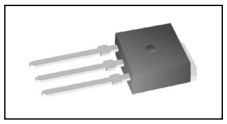

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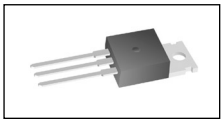
TO-220



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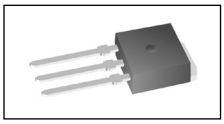

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK N-Channel (continued)									
FQPF34N20L	200	75	80			55	17.5	55	
FQPF34N20		75				60	17.5	55	
FQP34N20L		75	80			55	31	180	
FQI34N20L		75	80			55	31	180	
FQP34N20		75				60	31	180	
FQI34N20		75				60	31	180	
IRFS650B		85				95	15.8	50	
IRFS650A		85				95	15.8	50	
IRFI650B		85				95	28	156	
IRF650B		85				95	28	156	
HUF75939P3		125				64	22	180	
FDP2670		130				27	19	93	
FQPF19N20L		140	150			27	12.8	50	
FQP19N20L		140	150			27	21	140	
FQI19N20L		140	150			27	21	140	
FQPF19N20		150				31	11.8	50	
FQP19N20		150				31	19.4	140	
FQI19N20		150				31	19.4	140	
IRF640N*		150				64	18	150	
IRFS640B		180				45	9.8	43	
IRFS640A		180				44	9.8	43	
IRFI640B		180				45	18	139	
IRFI640A		180				44	18	139	
IRF640B		180				45	18	139	
IRF640A		180				44	18	139	
IRF640*		180				43	18	125	
HUF75925P3		275				32	11	100	
FQPF12N20L		280	320			16	8.2	45	
FQPF12N20		280				18	8.2	45	
FQP12N20L		280	320			16	11.6	90	
FQI12N20L		280	320			16	11.6	90	
FQP12N20		280				18	11.6	90	
FQI12N20		280				18	11.6	90	
IRF630N*		300				32	9.3	82	
FQPF10N20L		360	380			13	6.8	40	
FQPF10N20		360				13.5	6.8	40	
FQP10N20L		360	380			13	10	87	
FQI10N20L		360	380			13	10	87	
FQP10N20		360				13.5	10	87	
FQI10N20		360				13.5	10	87	
FQPF630		400				19	6.3	38	
IRFS630B		400				22	6.5	38	
IRFS630A		400				22	6.5	38	
IRFI630B		400				22	9	72	
IRFI630A		400				22	9	72	
IRF630B		400				22	9	72	
IRF630A		400				22	9	72	
FQP630		400				19	9	78	
FQI630		400				19	9	78	
IRF630*									
FQPF7N20		690				8	4.8	37	
FQP7N20		690				8	6.6	63	
FQI7N20		690				8	6.6	63	
FQPF7N20L		750	780			6.8	5	37	
FQP7N20L		750	780			6.8	6.5	63	
FQI7N20L		750	780			6.8	6.5	63	
IRFS620B		800				12	4.1	32	
IRFS620A		800				12	4.1	32	
IRFI620B		800				12	5	47	
IRFI620A		800				12	5	47	
IRF620B		800				12	5	47	
IRF620A		800				12	5	47	
IRF620*		800				11	5	40	
FQPF5N20L		1200	1250			4.8	3.5	32	
FQPF5N20		1200				6	3.5	32	

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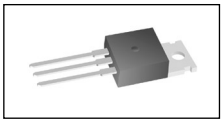
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK N-Channel (continued)									
FQP5N20L	200	1200	1250			4.8	4.5	52	
FQI5N20L		1200	1250			4.8	4.5	52	
FQP5N20		1200				6	4.5	52	
FQI5N20		1200				6	4.5	52	
FQPF4N20L		1350	1400			4	3	27	
FQP4N20L		1350	1400			4	3.8	45	
FQI4N20L		1350	1400			4	3.8	45	
FQPF4N20		1400				5	2.8	27	
FQP4N20		1400				5	3.6	45	
FQI4N20		1400				5	3.6	45	
IRFS610B		1500				7.2	2.5	22	
IRFS610A		1500				7	2.5	22	
IRFI610B		1500				7.2	3.3	38	
IRFI610A		1500				7	3.3	38	
IRF610B		1500				7.2	3.3	38	
IRF610A		1500				7	3.3	38	
IRF610*		1500				5.3	3.3	43	
IRLS610A			1500			6.1	2.5	19	
IRLI610A			1500			6.1	3.3	33	
IRL610A			1500			6.1	3.3	33	
IRLS620A			800			10.3	4.1	26	
IRLI620A			800			10.3	5	39	
IRL620A			800			10.3	5	39	
IRLS630A			400			18.6	6.5	36	
IRLI630A			400			18.6	9	69	
IRL630A			400			18.6	9	69	
IRLS640A			180			40	9.8	40	
IRLI640A			180			40	18	110	
IRL640A			180			40	18	110	
FQPF27N25	250	110				50	14	55	
FQP27N25		110				50	25.5	180	
FQI27N25		110				50	25.5	180	
IRFS654B		140				95	12	50	
IRFS654A		140				88	12	50	
IRFI654B		140				95	15	156	
IRF654B		140				95	15	156	
FQPF16N25		230				27	9.5	50	
FQP16N25		230				27	16	142	
FQI16N25		230				27	16	142	
IRFS644B		280				47	7.9	43	
IRFS644A		280				46	7.9	43	
IRFI644B		280				47	14	139	
IRFI644A		280				46	14	139	
IRF644B		280				47	14	139	
IRF644A		280				46	14	139	
FQPF9N25		420				15.5	6.7	45	
FQP9N25		420				15.5	9.4	90	
FQI9N25		420				15.5	9.4	90	
IRFS634B		450				29	5.8	38	
IRFS634A		450				30	5.8	38	
IRFI634B		450				29	8.1	74	
IRFI634A		450				30	8.1	74	
IRF634B		450				29	8.1	74	
IRF634A		450				30	8.1	74	
FQPF8N25		550				12	5.5	40	
FQP8N25		550				12	8	87	
FQI8N25		550				12	8	87	
FQPF6N25		1000				6.6	4	37	
FQP6N25		1000				6.6	5.5	63	
FQI6N25		1000				6.6	5.5	63	
IRFS624B		1100				13.5	3.4	34	
IRFS624A		1100				14	3.4	34	
IRFI624B		1100				13.5	4.1	49	
IRFI624A		1100				14	4.1	49	
IRF624B		1100				13.5	4.1	49	

TO-220



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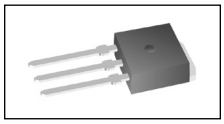

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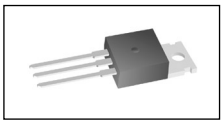
TO-220



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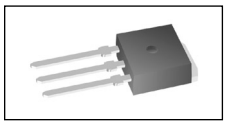

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK N-Channel (continued)									
IRF624A	250	1100				14	4.1	49	
FQPF4N25		1750				4.3	2.8	32	
FQP4N25		1750				4.3	3.6	52	
FQI4N25		1750				4.3	3.6	52	
IRFS614B		2000				8.1	2.1	22	
IRFS614A		2000				8.5	2.1	22	
IRFI614B		2000				8.1	2.8	40	
IRFI614A		2000				8.5	2.8	40	
IRF614B		2000				8.1	2.8	40	
IRF614A		2000				8.5	2.8	40	
FQPF3N25		2200				4	2.3	27	
FQP3N25		2200				4	2.8	45	
FQI3N25		2200				4	2.8	45	
IRF646*	275	280				39	14	125	
FQPF22N30	300	160				47	12	56	
FQP22N30		160				47	21	170	
FQPF14N30		290				30	8.5	50	
FQP14N30		290				30	9.1	147	
FQI14N30		290				30	9.1	147	
FQPF9N30		450				17	6	42	
FQP9N30		450				17	9	98	
FQI9N30		450				17	9	98	
FQPF7N30		700				13	4.9	39	
FQP7N30		700				13	7	85	
FQI7N30		700				13	7	85	
FQPF5N30		900				9.8	3.9	35	
FQP5N30		900				9.8	5.4	70	
FQI5N30		900				9.8	5.4	70	
FQPF3N30		2200				5.5	2	20	
FQP3N30		2200				5.5	3.2	55	
FQI3N30		2200				5.5	3.2	55	
FQP2N30		3700				3.7	1.3	16	
FQPF2N30		3700				3.7	2.1	40	
FQI2N30		3700				3.7	2.1	40	
FQPF17N40	400	270				45	9.5	56	
FQP17N40		270				45	16	170	
IRFS750A		300				101	8.4	49	
FQPF11N40		480				27	6.6	50	
FQP11N40		480				27	11.4	147	
FQI11N40		480				27	11.4	147	
IRFS740B		540				41	5.7	44	
IRFI740B		540				41	10	134	
IRF740B		540				41	10	134	
IRFS740A		550				58	5.7	44	
IRFI740A		550				58	10	134	
IRF740A		550				58	10	134	
IRF740A*		550				25	10	147	
IRF740*		550				41	10	125	
FQPF7N40		800				16.5	4.6	42	
FQP7N40		800				16.5	7	98	
FQI7N40		800				16.5	7	98	
IRFS730B		1000				25	3.9	38	
IRFS730A		1000				32	3.9	38	
IRFI730B		1000				25	5.5	73	
IRFI730A		1000				32	5.5	73	
IRF730B		1000				25	5.5	73	
IRF730A		1000				32	5.5	73	
IRF730*		1000				20	5.5	75	
FQPF6N40		1150				13	3.7	39	
FQP6N40		1150				13	5.5	85	
FQI6N40		1150				13	5.5	85	
FQPF5N40		1600				10	3	35	
FQP5N40		1600				10	4.5	70	
FQI5N40		1600				10	4.5	70	
IRFS720B		1750				14	2.8	33	

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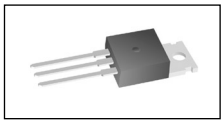
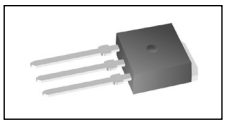
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK N-Channel (continued)									
IRFI720B	400	1750				14	3.3	46	
IRF720B		1750				14	3.3	46	
IRFS720A		1800				19	2.8	33	
IRFI720A		1800				19	3.3	46	
IRF720A		1800				19	3.3	46	
IRF720*		1800				12	3.3	50	
IRFS710B		3400				7.7	1.6	23	
FQPF3N40		3400				6	1.6	20	
IRFI710B		3400				7.7	2	36	
IRF710B		3400				7.7	2	36	
FQP3N40		3400				6	2.5	55	
FQI3N40		3400				6	2.5	55	
IRFS710A		3600				10	1.6	23	
IRFI710A		3600				10	2	36	
IRF710A		3600				10	2	36	
IRF710*		3600				7	2	36	
FQPF2N40		5800				4	1.1	16	
FQP2N40		5800				4	1.8	40	
FQPF6N45	450	1100				16	4	42	
FQP6N45		1100				16	6.2	98	
FQI6N45		1100				16	6.2	98	
FQPF13N50	500	430				45	7.3	56	
FQP13N50		430				45	12.5	170	
FQPF9N50		730				28	5.3	50	
FQP9N50		730				28	9	147	
FQI9N50		730				28	9	147	
IRFS840B		850				41	4.6	44	
IRFS840A		850				57	4.6	44	
IRFI840B		850				41	8	134	
IRFI840A		850				57	8	134	
IRF840B		850				41	8	134	
IRF840A		850				57	8	134	
IRF840A*		850				20	8	147	
IRF840*		850				42	8	125	
FQPF6N50		1300				17	3.6	42	
FQP6N50		1300				17	5.5	98	
FQI6N50		1300				17	5.5	98	
IRFS830A		1500				33	3.1	38	
IRFI830A		1500				33	4.5	73	
IRF830A		1500				33	4.5	73	
IRF830*		1500				22	4.5	75	
FQPF5N50		1800				13	3	39	
FQP5N50		1800				13	4.5	85	
FQI5N50		1800				13	4.5	85	
IRFS820B		2600				14	2.1	33	
IRFI820B		2600				14	2.5	49	
IRF820B		2600				14	2.5	49	
FQPF4N50		2700				10	2.3	35	
FQP4N50		2700				10	3.4	70	
FQI4N50		2700				10	3.4	70	
IRFS820A		3000				19	2.1	33	
IRFI820A		3000				19	2.5	49	
IRF820A		3000				19	2.5	49	
IRF820*		3000				12	2.5	50	
FQPF2N50		5300				6	1.3	20	
FQP2N50		5300				6	2.1	55	
FQI2N50		5300				6	2.1	55	
SSS1N50B		5500				8.3	1.2	23	
SSS1N50A		5500				11	1.2	23	
SSP1N50B		5500				8.3	1.5	36	
SSP1N50A		5500				11	1.5	36	
SSI1N50B		5500				8.3	1.5	36	
SSI1N50A		5500				11	1.5	36	
FQP1N50		9000				4	1.4	40	
FQPF1N50		9000				4	0.9	16	

TO-220

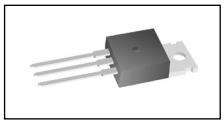


I²PAK



*These Industry Standard IRF devices can be specified by adding the suffix R494x to the part number when ordering. Example: IRF840AR4944. The suffix will not appear in the brand.

TO-220



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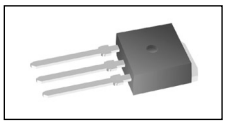

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK N-Channel (continued)									
FQPF12N60	600	700				42	5.8	55	
FQP12N60		700				42	10.5	180	
FQI12N60		700				42	10.5	180	
SSS10N60B		800				54	5.1	50	
SSS10N60A		800				74	5.1	50	
SSP10N60B		800				54	9	156	
SSP10N60A		800				74	9	156	
SSI10N60B		800				54	9	156	
FQPF7N60		1000				29	4.3	48	
FQP7N60		1000				29	7.4	142	
FQI7N60		1000				29	7.4	142	
SSS7N60B		1200				38	4	48	
SSS7N60A		1200				49	4	48	
SSP7N60B		1200				38	7	147	
SSP7N60A		1200				49	7	147	
SSI7N60B		1200				38	7	147	
SSI7N60A		1200				49	7	147	
IRFBC40*		1200				40	6.2	125	
FQPF6N60		1500				20	6.2	44	
FQP6N60		1500				20	6.2	130	
FQI6N60		1500				20	6.2	130	
FQPF5N60		2000				16	2.8	40	
FQP5N60		2000				16	5	120	
FQI5N60		2000				16	5	120	
FQPF4N60		2200				15	2.6	36	
FQP4N60		2200				15	4.4	106	
FQI4N60		2200				15	4.4	106	
SSS4N60B		2500				22	2.3	33	
SSS4N60AS		2500				25	2.3	33	
SSP4N60B		2500				22	4	100	
SSP4N60AS		2500				25	4	100	
SSI4N60B		2500				22	4	100	
FQPF3N60		3600				10	2	34	
FQP3N60		3600				10	3	75	
FQI3N60		3600				10	3	75	
FQPF2N60		4700				9	1.6	28	
FQP2N60		4700				9	2.4	64	
FQI2N60		4700				9	2.4	64	
SSS2N60B		5000				12.5	1.3	23	
SSS2N60A		5000				15	1.3	23	
SSP2N60B		5000				12.5	2	54	
SSP2N60A		5000				15	2	54	
SSI2N60B		5000				12.5	2	54	
SSI2N60A		5000				15	2	54	
FQP1N60		11500				5	1.2	40	
FQI1N60		11500				5	1.2	40	
FQPF1N60		11500				5	0.9	21	
SSS1N60B		12000				5.9	0.7	17	
SSS1N60A		12000				7.5	0.7	17	
SSP1N60B		12000				5.9	1	34	
SSP1N60A		12000				7.5	1	34	
SSI1N60B		12000				5.9	1	34	
SSI1N60A		12000				7.5	1	34	
FQPF6N70	700	1500				30	3.5	48	
FQP6N70		1500				30	6.2	142	
FQI6N70		1500				30	6.2	142	
SSS6N70A		1800				51	4	40	
SSP6N70A		1800				51	6	130	
SSI6N70A		1800				51	6	130	
FQPF7N80	800	1500				40	3.8	56	
FQP7N80		1500				40	6.6	167	
FQI7N80		1500				40	6.6	167	
SSS7N80A		1800				67	4	50	
SSP7N80A		1800				67	7	160	
FQPF6N80		1950				31	3.3	51	

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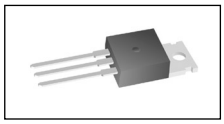
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK N-Channel (continued)									
FQP6N80	800	1950				31	5.8	158	
FQI6N80		1950				31	5.8	158	
SSS6N80A		2000				67	3.5	50	
SSP6N80A		2000				67	6	160	
SSS5N80A		2200				52	3	45	
SSP5N80A		2200				52	5	140	
SSI5N80A		2200				52	5	140	
FQPF5N80		2600				25	2.8	47	
FQP5N80		2600				25	4.8	140	
FQI5N80		2600				25	4.8	140	
SSS4N80AS		3000				40	2.8	40	
SSP4N80AS		3000				40	4.5	130	
FQPF4N80		3600				19	2.2	43	
FQP4N80		3600				19	3.9	130	
FQI4N80		3600				19	3.9	130	
SSS4N80A		4000				32	2.5	40	
SSP4N80A		4000				32	4	120	
SSS3N80A		4800				27	2	35	
SSP3N80A		4800				27	3	100	
FQPF3N80		5000				15	1.8	39	
FQP3N80		5000				15	3	107	
FQI3N80		5000				15	3	107	
SSI2N80A		6000				22	2	80	
FQPF2N80		6300				12	1.5	35	
FQP2N80		6300				12	2.4	85	
FQI2N80		6300				12	2.4	85	
FQPF6N90	900	1900				40	3.4	56	
FQP6N90		1900				40	5.8	167	
FQI6N90		1900				40	5.8	167	
FQPF5N90		2300				31	3	51	
SSS6N90A		2300				68	3.5	50	
FQP5N90		2300				31	5.4	158	
FQI5N90		2300				31	5.4	158	
SSP6N90A		2300				68	6	160	
SSS5N90A		2900				54	3	45	
SSP5N90A		2900				54	5	140	
FQPF4N90		3100				24	2.5	47	
FQP4N90		3100				24	4.2	140	
FQI4N90		3100				24	4.2	140	
SSS4N90AS		3700				42	2.8	40	
SSP4N90AS		3700				42	4.5	130	
FQPF3N90		4250				20	2.1	43	
FQP3N90		4250				20	3.6	130	
FQI3N90		4250				20	3.6	130	
SSP4N90A		5000				35	4	120	
FQPF2NA90		5800				15	1.7	39	
FQP2NA90		5800				15	2.8	107	
FQI2NA90		5800				15	2.8	107	
SSS3N90A		6200				28	2	35	
SSI3N90A		6200				28	3	100	
SSS2N90A		7000				24	1.5	30	
SSP2N90A		7000				24	2	80	
FQPF2N90		7200				12	1.4	35	
FQP2N90		7200				12	2.2	85	
FQI2N90		7200				12	2.2	85	
RFP4N100	1000	3500				55	4.3	150	
P-Channel									
FDP6021P	-20		30	40	65	20	28	37	
NDP6020P			50	70@2.7			24	60	
FDP4020P			80	110			16	37.5	
FQPF47P06	-60	26				84	30	62	
FQP47P06		26				84	47	160	
FQI47P06		26				84	47	160	
FQPF27P06		70				33	17	47	
FQP27P06		70				33	27	120	

TO-220



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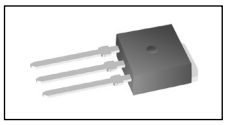
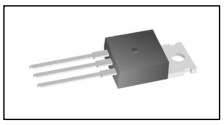


TO-220



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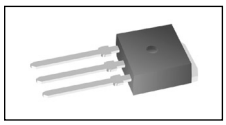

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK P-Channel (continued)									
FQI27P06	-60	70				33	27	120	
FQPF17P06		120				21	12	39	
FQP17P06		120				21	17	79	
FQI17P06		120				21	17	79	
SFS9Z34		140				30	12	36	
SFP9Z34		140				30	18	82	
SFI9Z34		140				30	18	82	
FQPF11P06		175				13	8.6	30	
FQP11P06		175				13	11.4	53	
FQI11P06		175				13	11.4	53	
MTP2955V		200					12	60	
SFS9Z24		280				15	7.5	29	
SFP9Z24		280				15	9.7	49	
SFI9Z24		280				15	9.7	49	
SFS2955		300				15	7.3	29	
SFP2955		300				15	9.4	49	
SFI2955		300				15	9.4	49	
FQPF7P06		410				6.3	5.3	24	
FQP7P06		410				6.3	7	45	
FQI7P06		410				6.3	7	45	
SFS9Z14		500				9	5.3	24	
SFP9Z14		500				9	6.7	38	
SFI9Z14		500				9	6.7	38	
FQPF22P10	-100	125				40	13.2	45	
FQP22P10		125				40	22	125	
FQI22P10		125				40	22	125	
FQPF17P10		190				30	10.5	41	
FQP17P10		190				30	16.5	100	
FQI17P10		190				30	16.5	100	
SFS9540		200				43	10.7	53	
SFP9540		200				43	17	132	
SFI9540		200				43	17	132	
IRF9540*		200				70	19	150	
FQPF12P10		290				21	8.2	38	
FQP12P10		290				21	11.5	75	
FQI12P10		290				21	11.5	75	
SFS9530		300				30	8	39	
SFP9530		300				30	10.5	66	
SFI9530		300				30	10.5	66	
IRF9530*		300				25	12	75	
FQPF8P10		530				12	5.3	28	
FQP8P10		530				12	8	65	
FQI8P10		530				12	8	65	
SFS9520		600				16	4.6	29	
SFP9520		600				16	6	49	
SFI9520		600				16	6	49	
IRF9520*		600				16	6	40	
FQPF5P10		1050				6.3	2.9	23	
FQP5P10		1050				6.3	4.5	40	
FQI5P10		1050				6.3	4.5	40	
SFS9510		1200				9	2.5	16	
SFP9510		1200				9	3.6	32	
SFI9510		1200				9	3.6	32	
IRF9510*		1200				8.5	3	20	
FQPF12P20	-200	470				31	7.3	50	
FQP12P20		470				31	11.5	120	
FQI12P20		470				31	11.5	120	
SFS9640		500				46	6.2	40	
SFP9640		500				46	11	123	
SFI9640		500				46	11	123	
IRF9640*		500				70	11	125	
FQPF7P20		690				19	5.2	45	
FQP7P20		690				19	7.3	90	
FQI7P20		690				19	7.3	90	
SFS9630		800				29	4.4	33	

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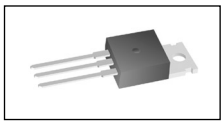
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-220 / I²PAK P-Channel (continued)									
SFP9630	-200	800				29	6.5	70	
SFI9630		800				29	6.5	70	
IRF9630*		800				31	6.5	75	
FQPF5P20		1400				10	3.4	38	
FQP5P20		1400				10	4.8	75	
FQI5P20		1400				10	4.8	75	
SFS9620		1500				15	3	28	
SFP9620		1500				15	3.5	38	
SFI9620		1500				15	3.5	38	
IRF9620*		1500				16	3.5	40	
FQPF3P20		2700				6	2.2	32	
FQP3P20		2700				6	2.8	52	
FQI3P20		2700				6	2.8	52	
SFS9610		3000				9	1.4	13	
SFP9610		3000				9	1.8	20	
SFI9610		3000				9	1.8	20	
FQPF9P25	-250	620				29	6	50	
FQP9P25		620				29	9.4	120	
FQI9P25		620				29	9.4	120	
SFS9644		800				45	4.9	40	
SFP9644		800				45	8.6	123	
SFI9644		800				45	8.6	123	
FQPF6P25		1100				21	4.2	45	
FQP6P25		1100				21	6	90	
FQI6P25		1100				21	6	90	
SFS9634		1300				29	3.4	33	
SFP9634		1300				29	5	70	
SFI9634		1300				29	5	70	
FQPF4P25		2100				10	2.8	38	
FQP4P25		2100				10	4	75	
FQI4P25		2100				10	4	75	
SFS9624		2400				16	2.4	28	
SFP9624		2400				16	2.7	38	
SFI9624		2400				16	2.7	38	
SFS9614		4000				9	1.3	13	
SFP9614		4000				9	1.6	20	
SFI9614		4000				9	1.6	20	
FQPF2P25		4000				6.5	1.8	32	
FQP2P25		4000				6.5	2.3	52	
FQI2P25		4000				6.5	2.3	52	
FQPF4P40	-400	3100				18	2.4	39	
FQP4P40		3100				18	3.5	85	
FQI4P40		3100				18	3.5	85	
FQPF2P40		6500				10	1.3	28	
FQP2P40		6500				10	2	63	
FQI2P40		6500				10	2	63	
FQPF3P50	-500	4900				18	1.9	39	
FQP3P50		4900				18	2.7	85	
FQI3P50		4900				18	2.7	85	
FQPF1P50		10500				11	1	28	
FQP1P50		10500				11	1.5	63	
FQI1P50		10500				11	1.5	63	

TO-247/TO-3P/PWR-247 N-Channel									
RFG75N05E	50	8				170	75	240	
HUF75345G3	55	7				125	75	325	
HUF75344G3		8				90	75	285	
HUF75343G3		9				92	75	270	
HUF75339G3		12				60	75	200	
HUF75332G3		19				40	60	145	
HUF75329G3		26				35	49	128	
FQA170N06	60	5.6				220	170	375	
FQAF85N06		10				86	67	100	
FQA85N06		10				86	100	214	

TO-220



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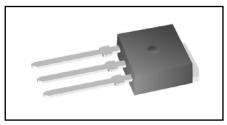
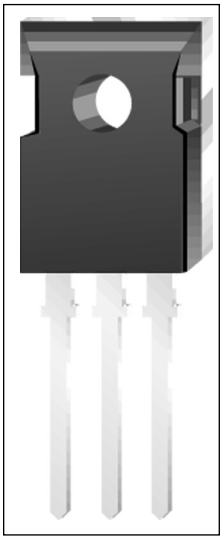
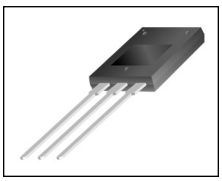


TO-247



PWR-247



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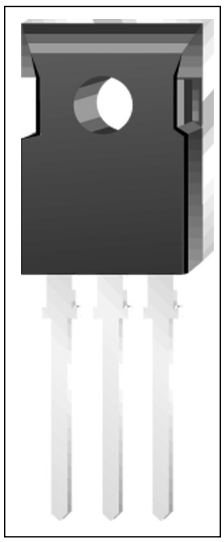
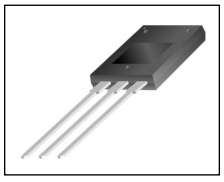
TO-247



PWR-247



Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-247/TO-3P/PWR-247 N-Channel (continued)									
FQAF65N06	60	16				48	49	86	
FQA65N06		16				48	72	183	
FQA160N08	80	7				220	160	375	
FQAF90N08		16				84	56	100	
FQA90N08		16				84	90	214	
FQAF70N08		17				75	53	90	
FQA70N08		17				75	77	190	
FQAF58N08		24				50	44	85	
FQA58N08		24				50	64	180	
FQAF44N08		34				38	35.6	83	
FQA44N08		34				38	49.8	163	
HUF75652G3	100	8				211	75	515	
FQA140N10		10				220	140	375	
SSF70N10A		23				151	44	120	
SSH70N10A		23				151	70	300	
FQAF70N10		25				85	45	100	
FQA70N10		25				85	70	214	
HUF75639G3		25				57	56	200	
FQAF55N10		26				75	41.9	90	
FQA55N10		26				75	61	190	
IRFP150N*		30				48	44	155	
FQAF44N10		39				48	33	85	
FQA44N10		39				48	48	180	
IRFS150A		40				75	31	100	
IRFP150A		40				75	43	193	
IRFP140N*		40				35	33	120	
IRFS140A		52				60	23	72	
FQAF33N10L		52	55			30	25.8	83	
FQAF33N10		52				38	25.8	83	
IRFP140A		52				60	31	131	
FQA33N10L		52	55			30	36	163	
FQA33N10		52				38	36	163	
IRFP150*		55				70	40	180	
IRFP140*		77				38	27	180	
HUF75852G3	150	16				215	75	500	
FQA90N15		18				220	90	375	
FQAF70N15		28				135	44	130	
FQA70N15		28				135	70	330	
FQAF46N15		42				85	33.5	113	
FQA46N15		42				85	50	250	
SFH154		75				90	34	204	
FQAF28N15		90				40	22	102	
FQA28N15		90				40	33	227	
FQA65N20	200	32				170	65	310	
FQAF48N20		50				100	30	108	
FQA48N20		50				100	48	280	
SSF45N20B		65				133	26.4	100	
SSF45N20A		65				117	26.4	100	
SSH45N20B		65				133	45	278	
SSH45N20A		65				117	45	278	
HUF75945G3		71				118	38	310	
FQAF34N20L		75	80			55	23	95	
FQAF34N20		75				60	23	95	
FQA34N20L		75	80			55	34	210	
FQA34N20		75				60	34	210	
IRFP250N*		75				114	30	214	
IRFS250B		85				95	21.3	90	
IRFS250A		85				95	21.3	90	
IRFP250B		85				95	32	204	
IRFP250A		85				95	32	204	
IF4E33N20S		85				120	33		
IRFP250*		85				79	33	180	
FQAF19N20L		140	150			27	16	85	
FQA19N20L		140	150			27	25	190	
FQAF19N20		150				31	15	85	

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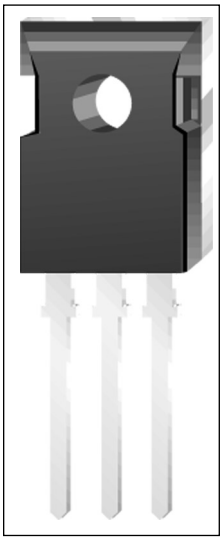
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-247/TO-3P/PWR-247 N-Channel (continued)									
FQA19N20	200	150				31	23	190	
IRFS240B		180				45	12.8	73	
IRFS240A		180				44	12.8	73	
IRFP240B		180				45	20	180	
IRFP240A		180				44	20	180	
IRFP240*		180				43	20	150	
FQA55N25	250	40				140	55	310	
FQAF40N25		70				85	24	108	
FQA40N25		70				85	40	280	
FQAF27N25		110				50	19	95	
FQA27N25		110				50	27	210	
IRFS254B		140				95	16	90	
IRFS254A		140				88	16	90	
IRFP254B		140				95	25	221	
IRFP254A		140				88	25	221	
FQAF16N25		230				27	12.4	85	
FQA16N25		230				27	18.5	190	
IRFS244B		280				47	10.2	73	
IRFS244A		280				46	10.2	73	
IRFP244B		280				47	16	180	
IRFP244A		280				46	16	180	
FQA44N30	300	69				120	43.5	310	
FQA38N30		85				90	38.4	290	
FQAF26N30		135				60	19	110	
FQA26N30		135				60	25.5	200	
FQAF22N30		160				47	16	100	
FQA22N30		160				47	22	190	
FQAF14N30		290				30	11.4	90	
FQA14N30		290				30	15	160	
FQA35N40	400	105				110	35	310	
FQA30N40		140				90	30	290	
SSF25N40A		200				140	14.3	100	
SSH25N40A		200				140	25	278	
FQAF20N40		220				60	14	110	
FQA20N40		220				60	19.5	200	
FQAF17N40		270				45	12.2	100	
FQA17N40		270				45	17.2	190	
IRFS350A		300				101	11.5	92	
IRFP350A		300				101	17	202	
FQAF11N40		480				27	8.8	90	
FQA11N40		480				27	11.8	160	
IRFS340B		540				41	8	85	
IRFP340B		540				41	11	162	
IRFS340A		550				58	8	85	
IRFP340A		550				58	11	162	
RF4E20N50S	500	85				79	20	180	
FQA28N50F		160				110	28.4	310	
FQA28N50		160				110	28.4	310	
FQA24N50F		200				90	24	290	
FQA24N50		200				90	24	290	
SSH22N50A		250				182	22	278	
IRFP460A*		270				56	20	280	
IRFP460*		270				120	20	250	
FQAF16N50		320				17	11.3	110	
FQA16N50		320				17	16	200	
IRFS450B		400				87	9.6	96	
IRFS450A		400				121	9.6	96	
IRFP450B		400				87	14	205	
IRFP450A		400				121	14	205	
IRFP450A*		400				33	14	190	
IRFP450*		400				82	14	180	
FQAF13N50		430				45	9.6	100	
FQA13N50		430				45	13.4	190	
FQAF9N50		730				28	7.2	90	
FQA9N50		730				28	9.6	160	

TO-247



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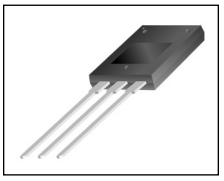

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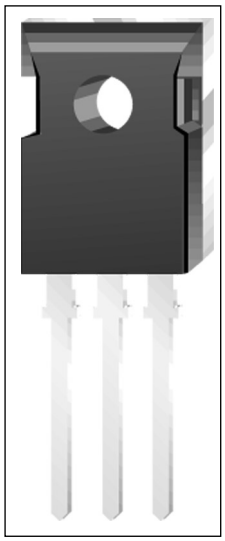
TO-247



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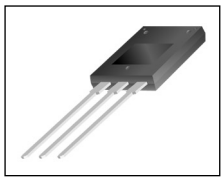

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-247/TO-3P/PWR-247 N-Channel (continued)									
IRFS440B	500	850				41	6.2	85	
IRFS440A		850				57	6.2	85	
IRFP440B		850				41	8.5	162	
IRFP440A		850				57	8.5	160	
IRFP440*		850				42	8.8	150	
FQA24N60	600	240				110	23.5	310	
FQAF19N60		380				70	11.2	120	
FQA19N60		380				70	18.5	300	
SSF17N60A		450				128	9	100	
FQAF12N60		700				42	7.8	100	
FQA12N60		700				42	12	240	
SSF10N60B		800				54	6.9	90	
SSF10N60A		800				74	6.9	90	
SSH10N60B		800				54	10	193	
SSH10N60A		800				74	10	193	
FQAF7N60		1000				29	5.7	83	
FQA7N60		1000				29	7.7	152	
SSF7N60B		1200				38	5.4	86	
SSF7N60A		1200				49	5.4	85	
SSH7N60B		1200				38	7.3	160	
SSH7N60A		1200				49	7.3	160	
FQAF15N70	700	560				70	9.5	120	
FQA15N70		560				70	15	300	
FQAF6N70		1500				30	4.7	83	
FQA6N70		1500				30	6.4	152	
SSF6N70A		1800				51	5	85	
SSH6N70A		1800				51	6	140	
FQAF13N80	800	750				68	8	120	
FQA13N80		750				68	12.6	300	
SSF10N80A		950				125	6.5	100	
SSH10N80A		950				125	10	280	
FQAF10N80		1050				55	6.7	113	
FQA10N80		1050				55	9.8	240	
FQAF8N80		1200				44	5.9	107	
FQA8N80		1200				44	8.4	220	
SSF9N80A		1300				93	6	95	
SSH9N80A		1300				93	9	240	
FQAF7N80		1500				40	5	96	
SSF8N80A		1500				93	5.5	95	
FQA7N80		1500				40	7.2	198	
SSH8N80A		1500				93	8	240	
SSH7N80A		1800				67	7	200	
FQAF6N80		1950				31	4.4	90	
FQA6N80		1950				31	6.3	185	
SSH6N80AS		2000				67	6	200	
FQAF11N90	900	960				72	7.2	120	
FQA11N90		960				72	11.4	300	
SSF10N90A		1200				127	6.5	100	
SSH10N90A		1200				127	10	280	
FQAF9N90		1300				55	5.9	113	
FQA9N90		1300				55	8.6	240	
SSH9N90A		1400				127	9	280	
FQAF7N90		1550				45	5.2	107	
FQA7N90		1550				45	7.4	220	
SSF8N90A		1600				94	5.5	95	
SSH8N90A		1600				94	8	240	
SSF7N90A		1800				94	5	95	
SSH7N90A		1800				94	7	240	
FQAF6N90		1900				40	4.5	96	
FQA6N90		1900				40	6.4	198	
FQAF5N90		2300				31	4.1	90	
FQA5N90		2300				31	5.8	185	
SSH6N90A		2300				68	6	200	
SSH5N90A		2900				54	5	160	

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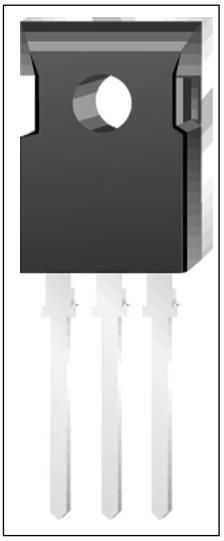
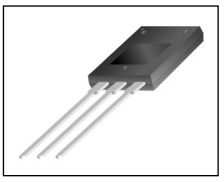
Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} = 10V	4.5V	2.5V	1.8V	Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
TO-247/TO-3P/PWR-247 P-Channel									
FQAF47P06	-60	26				84	38	100	
FQA47P06		26				84	55	214	
FQAF22P10	-100	125				40	16.6	70	
FQA22P10		125				40	24	150	
IRFP9150*		150				82	25	150	
FQAF17P10		190				30	12.4	56	
FQA17P10		190				30	18	120	
SFF9140		200				43	13	80	
SFH9140		200				43	19	166	
IRFP9140*		200				37	19	125	
SFH9154	-150	200				100	18	204	
FQAF12P20	-200	470				31	11.5	70	
FQA12P20		470				31	12.6	150	
SFF9240		500				46	7.6	60	
SFH9240		500				46	11	126	
IRFP9240*		500				38	12	150	
FQAF9P25	-250	620				29	7.1	70	
FQA9P25		620				29	10.5	150	
SFF9244		800				45	6	60	
SFH9244		800				45	8.7	126	
TO-264 N-Channel									
FQL50N40	400	75				160	50	460	
FQL40N50F	500	110				155	40	460	
FQL40N50		110				155	40	460	

TO-247



PWR-247



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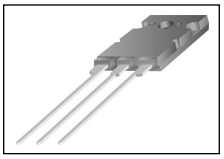

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Integrated Load Switches

Part Number	V_{IN} (Max)	$R_{DS(ON)}$ Max. (mΩ) @ V_{IN} =				I_L (A) @ $V_{(DROP)}$ = 0.2V		
		12V	5V	2.5V	1.8V	V_{IN} = 12V	V_{IN} = 5V	V_{IN} = 2.5V
SuperSOT-8								
FDR8321L	8		7	10.5			2.9	2.0
FDR8521L	20	7	11.5			2.9	1.8	
SuperSOT-6								
FDC6331L	8		5.5	7			2.8	2.5
FDC6329L			7	10.5			2.8	1.9
FDC6325L			13	18			1.5	1.0
FDC6323L			20	30			1.0	0.67
FDC6330L	20	8	12.5			2.5	1.6	
FDC6326L		12.5	20			1.5	1.0	
FDC6324L		20	30			1.0	0.67	
SI3861DV	25		55	70				
SC70-6								
FDG6323L	8		55	75			0.36	0.27
FDG6324L	20	55	75			0.36	0.27	

Part Number	V_{DS} (V)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} =				Q_g (nC) @ V_{GS} = 5V	I_D (A)	P_D (W)	Configuration
		10V	4.5V	2.5V	1.8V				
SC70-6 N-Channel									
FDG6331L	-25		260	330	450		0.9	0.3	Dual

MOSFET & Schottky Combos

	MOSFET					Schottky Diode		
Part Number	V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ Max. (mΩ) @ V_{GS} =		Q_g (nC) @ V_{GS} = 5V	V_F (V)	@ I_F (A)	P_D (W)
			10V	4.5V				
SO-8 N-Channel								
FDFS6N303	30	6	4	6	6	0.42	3	2.5
P-Channel								
FDFS2P102	-20	3.3	12.5	20	3.5	0.58	2	2
FDFS2P102A		3.3	12.5	20	2.1	0.58	2	2
FDFS2P106A	-60	3	11	14	15	0.58	2	2
TSSOP-8 P-Channel								
FDW6923	-20	3.5	5	9	10	0.5	2	2

NOTES

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