



## Small Power MOSFETs

Voltage (V)	$I_D$ (A) $T_C = 25^\circ\text{C}$	$R_{DS(on)}$ max @ $10V_{GS}$ (m $\Omega$ )	$Q_g$ Typ @ $10V_{GS}$ (nC)	POFN		SOT-23	TSOP-6	SO-8
				2x2	3.3x3.3			
-30	-20	4.6	58					IRF9310
	-16	6.6	31					IRF9317
	-15	7.2	34					IRF9321
	-12	11.9	18					IRF9328
	-12	11.9	18					IRF9388
	-9.8	17.5	14					IRF9332
	-9.8	17.5	14					IRF9392
	-9.2	19.4	14					IRF9393
	-9.2	19.4	14					IRF9333
	-6	37	6.9		IRFHS9301			
	-5.8	40	12				IRFTS9342	
	-5.4	59	4.7					IRF9335
	-3.6	64	4.8				IRLML9301	
-2.3	165	2				IRLML9303		
-20	-7.2	31**	12	IRLHS2242				
	-6.9	-32**	12				IRLTS2242	
	-4.3	54**	6.9			IRLML2244		
	-2.6	135**	2.9			IRLML2246		
20	4.1	46**	3.5			IRLML6246		
	6.3	21**	8.9			IRLML6244		
	10	11.7**	14	IRLHS6242				
	20	4.4	22					IRF3717
	27	2.45**	130					IRF6201
25	40	2.5	52		IRLHM620			
	5.8	24	5.4			IRFML8244		
	9.9	13	4.3	IRFHS8242				
	25	2.7	35					IRF8252
30	25	7.7	7.7		IRFHM8235			
	2.7	100	1			IRLML2030		
	3.4	63**	2.9			IRLML6346		
	5	29**	6.8			IRLML6344		
	5.3	27	2.6			IRLML0030		
	8.2	19	4.8				IRFTS8342	
	8.3	17.5**	11				IRLTS6342	
	8.7	15.5**	11	IRLHS6342				
	9.9	14.6**	11					IRL6342
	11	11.9	6.2					IRF8707
	14	8.7	8.1					IRF8714
	14	8.5	8.3					IRF8721
	18	4.8	17					IRF8736
	19*	16	4.2	IRFHS8342				
	21	3.3	30					IRF7862
	21	3.5	20					IRF8734
	24	2.8	44					IRF8788
	24	4.7	20			IRFHM8326		
	24	6.6	3.3			IRFHM8330		
	24	7.8	7.3			IRFHM831		
24	9	7.1			IRFHM8334			
25	5.2	9.0			IRFHM8228			
40	3.5	41			IRLHM630			
40	3.6	56	2.6			IRLML0040		
	18	5	33					IRF7842
60	1.2	480	0.67			IRLML2060		
	2.7	92	2.5			IRLML0060		
80	12	9.4	26					IRF7855
	9.2	15	31					IRF7493
	10	13.4	27					IRF7854
100	1.6	220	2.5			IRLML0100		
	7.3	22	34					IRF7495
	8.3	18	28					IRF7853
	11	115	-		IRFHM3911			
150	5.1	43	25				IRF7815	
200	3.7	78	29				IRF7820	

\*  $I_D$  measured at  $T_C = 25^\circ\text{C}$  \*\*  $R_{DS(on)}$  measured at  $V_{GS} = 4.5\text{V}$

## Dual MOSFETs and Power Block

Voltage (V)	$I_D$ (A) $T_C = 25^\circ\text{C}$	$R_{DS(on)}$ max @ $10V_{GS}$ (m $\Omega$ )	Configuration	POFN		SO-8
				Part Number	Footprint	
-30	-9.2	-9.2	Independent Symmetric			IRF9358
	-8	-8	Independent Symmetric			IRF9362
	-2.3	-2.3	Independent Symmetric	IRFHS9351	2 x 2	
20	4.5	4.5	Independent Symmetric	IRLHS6276	2 x 2	
25	25	1.5†	Dual Asymmetric	IRFH4255D	5 x 6	
	35	1.1†	Dual Asymmetric	IRFH4253D	5 x 6	
	45	0.85†	Dual Asymmetric	IRFH4251D	5 x 6	
	60	1.8†	Dual Asymmetric	IRFHE4250D	6 x 6	
	30/phase	0.90†	Dual Asymmetric	IRF3546	6 x 8	

†  $R_{DS(on)}$  for synchronous MOSFET only

## Dual MOSFETs and Power Block, continued



Voltage (V)	I <sub>D</sub> (A) T <sub>C</sub> = 25°C	R <sub>DS(on)</sub> max @ 10V <sub>GS</sub> (mΩ)	Configuration	PQFN		SO-8
				Part Number	Footprint	
25	25	1.8	Dual Asymmetric	IRFH4257D	4 x 5	
30	3.6	3.6	Independent Symmetric	IRLHS6376	2 x 2	
	7.6	7.6	Half-bridge Asymmetric			IRF7904
	8	8	Half-bridge Asymmetric			IRF8513
	8.1	8.1	Independent Symmetric			IRL6372
	8.9	8.9	Independent Asymmetric			IRF7905
	9.1	9.1	Independent Asymmetric			IRF7907
	9.7	9.7	Independent Symmetric			IRF8313
	11	11	Independent Symmetric	IRFHM8363	3.3 x 3.3 E	
	13	3	Half-bridge Asymmetric	IRFH7911	5 x 6 C	
50	3	3	Independent Symmetric			IRF7103U
60	8	8	Independent Symmetric			IRF7351
100	2.3	2.3	Independent Symmetric	IRFHM792	3.3 x 3.3 E	

\* R<sub>DS(on)</sub> for synchronous MOSFET only

## Power SMD MOSFETs



Voltage (V)	I <sub>D</sub> (A) T <sub>C</sub> = 25°C	R <sub>DS(on)</sub> max @ 10V <sub>GS</sub> (mΩ)	Qg Typ @ 10V <sub>GS</sub> (nC)	DirectFET		PQFN		D-Pak	D <sup>2</sup> Pak	D <sup>2</sup> Pak-7-Lead	
				Part Number	Footprint	Part Number	Footprint				
-30	-22*	2.9	130	IRF9383M	MX						
	-24	14.6	16			IRFHM9331	3 x 3				
	-40	4.6	58			IRFH9310	5 x 6 A				
20	32*	1.8	47	IRF6691	MT						
	36	16	4.8						IRL3714ZS		
	37	15	4.7					IRLR3714Z			
	49	11	7.2					IRLR3715Z			
	50	11	7						IRL3715ZS		
	58	3.8		IRL6297SD	SA						
	60	8.4	9.3					IRFR3704Z			
	67	7.9	8.7						IRF3704ZS		
	92	6	16						IRF3711ZS		
	93	5.7	18					IRFR3711Z			
	120	4.2	21					IRLR3717			
	24	211	0.9		IRL6283M	MD					
340		1.65	160						IRF1324S		
25	429	1	180							IRF1324S-7P	
	16*	5.2	7.4	IRF6810S	S1						
	40	4.4	7.7			IRFHM4234	3.3 x 3.3				
	40	3.3	10			IRFHM4231	3.3 x 3.3				
	40	2.2	17			IRFHM4226	3.3 x 3.3				
	51	6	7			IRFH5255	5 x 6 B				
	60	4.5	8.2			IRFH4234	5 x 6 B				
	60	3.5	10			IRFH4231	5 x 6 B				
	74	3.7	11	IRF6811S	SQ						
	100	0.95				IRFH8201	5 x 6				
	100	1.05				IRFH8202	5 x 6				
	100	1.4	39			IRFH5250D	5 x 6 B				
	100	1.15	52			IRFH5250	5 x 6 B				
	100	1.35	26			IRFH4213D	5 x 6 B				
	100	1.35	26			IRFH4213	5 x 6 B				
	100	1.1	36			IRFH4210D	5 x 6 B				
	100	1.1	36			IRFH4210	5 x 6 B				
	100	0.95	46			IRFH4201	5 x 6 B				
	125	1.7	17	IRF6892S	3C						
	160	1.3	26	IRF6894M	MX						
168	1.6	25	IRF6893M	MX							
213	1.1	35	IRF6898M	MX							
30	29	12.4	5.4			IRFH3707	3 x 3				
	35	12.8	4.7			IRFH8337	5 x 6 E				
	35	8	7.9	IRF6720S2	S1						
	36	8.9	6.6	IRF6708S2	S1						
	40	4.3	13			IRFHM830D	3.3 x 3.3				
	40	3.8	31			IRFHM830	3.3 x 3.3				
	42	7.1	9.6			IRFH3702	3 x 3				
	43	13.8	7					IRLR7807Z			
	44	9	7.1			IRFH8334	5 x 6 E				
	45	8.1	7.8			IRFH5306	5 x 6 B				
	47	7.8	7.3			IRFHM831	3.3 x 3.3				
	56	7.7	11	IRF6722M	MP						
	56	6.6	9.3			IRFH8330	5 x 6 E				
	57	6.1	26			IRFHM8329	3.3 x 3.3				
	58	7.7	11	IRF6722S	ST						
	58	8.9	10					IRLR8729			
	59	9.5	9.7						IRF3707ZS		
	60	7.3	9.2	IRF8327S	SQ						
	65	8.4	8.5					IRLR8721			
	79	4.5	16			IRFH5304	5 x 6 B				
82	5	15			IRFH8325	5 x 6 E					
82	4.2	15			IRFH5303	5 x 6 B					

Power SMD MOSFETs, continued



Voltage (V)	I <sub>D</sub> (A) T <sub>C</sub> = 25°C	R <sub>DS(on)</sub> max @ 10V <sub>GS</sub> (mΩ)	Q <sub>g</sub> Typ @ 10V <sub>GS</sub> (nC)	DirectFET		PQFN		D-Pak	D <sup>2</sup> Pak	D <sup>2</sup> Pak-7-Lead	
				Part Number	Footprint	Part Number	Footprint				
30	83	4.9	19.4			IRFH8321	5 x 6 E				
	86	5.8	15					IRLR8726			
	87	6.3	17						IRF3709ZS		
	90	4.1	14			IRFH8324	5 x 6 E				
	94	6	22					IRLR8113			
	100	1.1				IRFH8303	5 x 6				
	100	1.3				IRFH8307	5 x 6				
	100	1.3	50			IRFH8307	5 x 6 B				
	100	1.4	50			IRFH5300	5 x 6 B				
	100	1.85	37			IRFH5301	5 x 6 B				
	100	2.1	29			IRFH5302	5 x 6 B				
	100	2.5	26			IRFH5302D	5 x 6 B				
	105	6	23						IRLR8113S		
	120	2.95	30			IRFH8316	5 x 6 E				
	120	3.1	41			IRFH8318	5 x 6 E				
	140	2.5	25		IRF8306M	MX					
	150	3.8	32							IRLR833S	
	150	2.5	28		IRF8308M	MX					
	160	3.1	39						IRLR8743		
	169	2.1	30				IRFH8311	5 x 6 E			
	170	2.2	28		IRF8304M	MX					
	180	1.7	51		IRF6726M	MT					
180	1.7	49		IRF6727M	MX						
190	1.8	35		IRF8302M	MX						
260	2.4	160							IRF2903ZS		
40	12.7*	8.3	19	IRF6614	ST						
	19*	5	29	IRF6616	MX						
	23*	3.4	42	IRF6613	MT						
	77	9	30					IRFR3504Z			
	85	2.4				IRFH7440	5 x 6				
	85	3.3				IRFH7446	5 x 6				
	90	1.4			IRF7946	MX					
	90	2.5						IRFR7440			
	100	1.25					IRFH7084	5 x 6			
	100	1.4					IRFH7004	5 x 6			
	100	4.3	42				IRFH5204	5 x 6 B			
	100	3.5	53				IRFH5104	5 x 6 B			
	100	2.6	73				IRFH5004	5 x 6 B			
	117	3.3	65				IRFH7446	5 x 6 E			
	119	5.5	59					IRFR4104			
	120	5.5	68						IRF4104S		
	156	1.9	89		IRF7737L2	L6					
	159	2.4	92				IRFH7440	5 x 6 E			
	184	1.6	129		IRF7738L2	L6					
	190	3.7	100							IRF1404ZS	
	195	1.5									IRFS7437TRL-7P
	195	1.8								IRFS7437	
	198	1.4	141		IRF7946	MX					
	208	2.5	90							IRFS7440	
	217	1.2	123		IRF7480M	ME					
	250	1.8	150							IRFS7437	
	259	1.4	129				IRFH7004	5 x 6 B			
	270	1	220		IRF7739L2	L8					
280	2.3	160							IRF2804S		
320	1.6	170								IRF2804S-7P	
340	1.75	160							IRFS3004		
400	1.25	160								IRFS3004-7P	
55	30	24.5	18					IRFR4105Z			
	51	13.9	29						IRFZ44ZS		
	61	11	43						IRFZ48ZS		
	62	11	40					IRFR48Z			
	94	7.5	63						IRF1010ZS		
	110	6.5	76						IRF3205ZS		
	240	2.6	130							IRF3805L-7P	
60	40	14.4	23			IRFH5406	5 x 6 B				
	67	11	24	IRF6674	MZ						
	86	7	36	IRF6648	MN						
	89	6.7	40			IRFH5206	5 x 6 B				
	90	4.8						IRFR7540			
	90	7.9						IRFR7546			
	100	~3.6				IRFH7085	5 x 6				
	100	4.1	67			IRFH5006	5 x 6 B				
	100	5.6	50			IRFH5106	5 x 6 B				
	110	5.1							IRFS7540		
	150	3.6			IRF7580	MX					
	160	4.2	85						IRFS3306		
	195	2.0	274						IRFS7530		
	195	2.4							IRFS7534		
	195	3.3							IRFS7537		
200	1.5	200		IRF7749L2	L8						
210	3	120							IRFS3206		

Power SMD MOSFETs, continued



Voltage (V)	I <sub>D</sub> (A) T <sub>C</sub> = 25°C	R <sub>DS(on)</sub> max @ 10V <sub>GS</sub> (mΩ)	Q <sub>g</sub> Typ @ 10V <sub>GS</sub> (nC)	DirectFET		PQFN		D-Pak	D <sup>2</sup> Pak	D <sup>2</sup> Pak-7-Lead
				Part Number	Footprint	Part Number	Footprint			
60	240	1.4								IRFS7530-7P
	240	1.9								IRFS7534-7P
	270	2.5	200						IRFS3006	
	293	2.1	200							IRFS3006-7P
75	45	22	34					IRFR2607Z		
	53	16	50					IRFR2307Z		
	59	11.2				IRFR7746	5 x 6			
	64	8.0						IRFH7787		
	68	8.0	75			IRFH7787	5 x 6			
	71	9.6	39			IRFH5207	5 x 6 B			
	75	8.5	48			IRFH7107	5 x 6 E			
	83	8.4							IRFS7787	
	89	6.8	84					IRFR7740		
	100	5.9	65			IRFH5007	5 x 6 B			
	104	6.3							IRFS7762	
	120	5.8	79						IRFS3307Z	
	160	2.3	200		IRF7759L2	L8				
	160	3.8	170							IRF2907ZS-7P
	170	4.1	120						IRFS3207Z	
	193	3.5							IRFS7734	
	195	2.6							IRFS7730	
	195	3.0								IRFS7734-7P
	230	3	160						IRFS3107	
	260	2.6	160							IRFS3107-7P
240	2.0								IRFS7730-7P	
260	2.6	160							IRFS3107-7P	
80	12*	9.5	36	IRF6646	MN					
	55	15	22	IRF6668	MZ					
100	4.2*	62	8.7	IRF6655	SH					
	4.2*	62	8.7	IRF6665	SH					
	5.7*	35	14	IRF6645	SJ					
	8.3*	22	22	IRF6662	MZ					
	8.7	190	6.9					IRFR120Z		
	10.3*	13	35	IRF6644	MN					
	14.4	62	8.3	IRF7665S2	SB					
	35	17	10			IRFH7194	5 x 6			
	36	26.5	42						IRF540ZS	
	46	18	24			IRFH5053	5 x 6 A			
	55	14.9	39			IRFH5210	5 x 6 B			
	56	18	69					IRFR3710Z		
	58	13.5	58			IRFH7110	5 x 6 E			
	59	18	82						IRF3710ZS	
	61	13.9	58						IRFS4510	
	63	12.4	48			IRFH5110	5 x 6 B			
	63	13.9	54					IRFR4510		
	73	14	90						IRFS4610	
	80	8.0	23			IRFH7191	5 x 6			
	93	6.6	28			IRFH7188	5 x 6			
97	9	83						IRFS4410Z		
100	9	65			IRFH5010	5 x 6 B				
123	5.2	36			IRFH7185	5 x 6 B				
124	3.5	200		IRF7769L2	L8					
127	6	120						IRFS4310Z		
180	4.7	143						IRFS4010		
190	4	150							IRFS4010-7P	
150	27	58	20			IRFH5215	5 x 6 B			
	28	56	25	IRF6775M	MZ					
	33	42	26					IRFR4615		
	33	42	26						IRFS4615	
	33	42	26						IRFS5615	
	6.2*	34.5	39	IRF6643	MZ					
	56	31	33			IRFH5015	5 x 6 B			
	67	11	97	IRF7779L2	L8					
	83	15	71						IRFS4321	
	99	12.1	77						IRFS4115	
200	105	11.8	73							IRFS4115-7P
	4.6*	59.9	34	IRF6641	MZ					
	18	105	18						IRFS4020	
	19	100	26	IRF6785M	MZ					
	20	99.9	20			IRFH5220	5 x 6 B			
	24	78	25					IRFR4620		
	24	78	25						IRFS4620	
	24	77.5	25						IRFS5620	
	43	55	36			IRFH5020	5 x 6 B			
62	26	70						IRFS4227		
250	72	22	100						IRFS4127	
	32	100	37			IRFH5025	5 x 6 B			
	35	38	110	IRF7799L2	L8					
500	45	48	72						IRFS4229	
	3.6	2200	13.3					IRFR812		
	6	1300	22.7					IRFR825		


\* I<sub>D</sub> measured at T<sub>C</sub>=25°C

# Thru-Hole Power MOSFETs




Voltage (V)	$I_D$ (A) $T_c = 25^\circ\text{C}$	$R_{DS(on)}$ max @ $10V_{GS}$ (m $\Omega$ )	$Q_g$ Typ @ $10V_{GS}$ (nC)	I-Pak	TO-220	TO-247	D²Pak
20	36	16	4.8		IRL3714Z		
	37	15	4.7	IRLU3714Z			
	49	11	7.2	IRLU3715Z			
	50	11	7		IRL3715Z		
	60	8.4	9.3	IRFU3704Z			
	67	7.9	8.7		IRF3704Z		
	92	6	16		IRF3711Z		
	93	5.7	18	IRFU3711Z			
120	4.2	21	IRLU3717				
24	353	1.5	160		IRF1324		
25	57	8.7	6.8	IRLU8259			
	81	5.7	10	IRLU8256			
30	43	13.8	7	IRLU7807Z			
	58	8.9	10	IRLU8729			
	62	8.7	7.6		IRLB8721		
	65	8.4	8.5	IRLU8721			
	86	5.8	15	IRLU8726			
	87	6.3	17		IRF3709Z		
	92	4.8	15		IRLB8748		
	94	6	22	IRLU8113			
	105	6	23		IRL8113		
	150	3.2	36		IRLB8743		
	160	3.1	39	IRLU8743			
	260	2.4	160		IRF2903Z		
	260	1.95	57		IRLB3813		
	40	75	5.5	68		IRF4104	
77		9	30	IRFU3504Z			
118		3.3			IRFB7446		
119		5.5	59	IRFU4104			
120		2.5			IRFB7440		
120		2.8					IRFS7440
120		5.5	68		IRF4104		
123		3.3	62		IRFB7446		
180		2.4	89	IRFU7440			
190		3.7	100		IRF1404Z		
195		1.3			IRFB7430	IRFP7430	
195		1.6			IRFB7434		
195		2.0			IRFB7437		
208		2.5	90		IRFB7440		
250		2	150		IRFB7437		
317		1.6	216		IRFB7434		
340		1.75	160		IRFB3004		
350	1.7	220			IRFP4004		
404	1.3	300			IRFP7430		
409	1.3	300			IRFB7430		
55	30	24.5	18	IRFU4105Z			
	51	13.9	29		IRFZ44Z		
	61	11	43		IRFZ48Z		
	62	11	40	IRFU48Z			
	91	7.5	63	IRFU1010Z			
	94	7.5	63		IRF1010Z		
	110	6.5	76		IRF3205Z		
60	75	7.3	58		IRFB7546		
	95	5.9	75		IRFB7545		
	110	5.1	88		IRFB7540		
	160	4.2	85		IRFB3306		
	195	2.0			IRFB7530	IRFP7530	
	195	2.4			IRFB7534		
	195	3.3			IRFB7537	IRFP7537	
	206	3.4	130		IRFB3256		
	210	3	120		IRFB3206		
	270	2.5	200		IRFB3006		
75	45	22	34	IRFU2607Z			
	53	16	50	IRFU2307Z			
	80	9	56		IRFB3607		
	84	5.8	79		IRFB3307ZG		
	120	5.8	79		IRFB3307Z		
	170	4.5	180			IRFP2907Z	
	170	4.1	120		IRFB3207Z		
	210	3.3	160		IRFB3077		
	350	1.8	380			IRFP4368	
100	8.7	190	6.9	IRFU120Z			
	18	72.5	15		IRFB4212		
	36	26.5	42		IRF540Z		
	42	36	73.3			IRFP150M	
	43	9.3	81		IRFI4410Z		
56	18	69		IRFU3710Z			

## Thru-Hole Power MOSFETs, continued



Voltage (V)	$I_D$ (A) $T_c = 25^\circ\text{C}$	$R_{DS(on)}$ max @ $10V_{GS}$ (m $\Omega$ )	$Q_g$ Typ @ $10V_{GS}$ (nC)	I-Pak	TO-220	TO-247
100	59	18	82		IRF3710Z	
	62	13.5	58		IRFB4510	
	63	13.9	54	IRFU4510		
	73	14	90		IRFB4610	
	97	9	83		IRFB4410Z	
	127	6	120		IRFB4310Z	
	130	7	170		IRFB4310	
	180	4.5	150		IRFB4110	
150	290	2.6	360			IRFP4468
	17	95	13		IRFB4019	
	33	42	26	IRFU4615		
	35	39	26		IRFB5615	
	78	15.5	71			IRFP4321
	83	15	71		IRFB4321	
	104	11	77		IRFB4115	
200	171	5.9	151			IRFP4568
	18	100	18		IRFB4020	
	24	78	25	IRFU4620		
	25	72.5	25		IRFB5620	
	30	75	82			IRFP250M
	50	40	156			IRFP260M
	65	25	70			IRFP4227
	65	26	70		IRFB4227	
250	76	20	100		IRFB4127	
	130	9.7	161			IRFP4668
	44	46	72			IRFP4229
	46	46	72		IRFB4229	
	57	33	99			IRFP4332
300	60	33	99		IRFB4332	
	93	17.5	180			IRFP4768
	38	69	83			IRFP4137
300	38	69	83		IRFB4137	
	70	32	180			IRFP4868
500	3.6	2200	13.3		IRFB812	

## Logic Level MOSFETs



Voltage (V)	$I_D$ (A) $T_c = 25^\circ\text{C}$	$R_{DS(on)}$ max @ $10V_{GS}$ (m $\Omega$ )	$Q_g$ Typ @ $10V_{GS}$ (nC)	PQFN		D-Pak	D²Pak	D²Pak-7-Lead	I-Pak	TO-220	TO-247
				Part Number	Footprint						
20	40	2.5 <sup>††</sup>	52	IRLHM620	3.3 x 3.3						
	100	4 <sup>††</sup>	48			IRLR6225					
	100	1.2 <sup>††</sup>	155	IRFH6200	5 x 6 B						
	105	3 <sup>††</sup>	86	IRLH6224	5 x 6 E						
30	40	3.5 <sup>††</sup>	41	IRLHM630	3.3 x 3.3						
40	100	2.4	82	IRLH5034	5 x 6 B						
	130	4.5	40			IRLR3114Z					
	130	4.9	40						IRLU3114Z		
	134	3.3	39	IRLH7134	5 x 6 E						
	200	3.1	75				IRL1404ZS				
	200	3.1	75							IRL1404Z	
	327	1.7	108								IRLP3034
	343	1.7	108				IRLS3034				
55	343	1.7	108							IRLB3034	
	380	1.4	120					IRLS3034-7P			
	16	58	6.6			IRLR024Z					
	16	58	6.6						IRLU024Z		
	60	13.5	23			IRLR2905Z			IRLU2905Z		
	60	13.5	23						IRLU2905Z		
60	89	8	44			IRLR3705Z					
	89	8	44						IRLU3705Z		
	99	6.8	33			IRLR3636					
	99	6.8	33						IRLU3636		
	100	4.4	44	IRLH5036	5 x 6 B						
	270	2.4	91				IRLS3036			IRLB3036G	
100	270	2.4	91							IRLB3036	
	270	2.4	91								
	300	1.9	110					IRLS3036-7P			
	13*	9	44	IRLH5030	5 x 6 B						
	63	14	34			IRLR3110Z					
100	63	14	34						IRLU3110Z		
	180	4.3	87				IRLS4030				
	180	4.3	87							IRLB4030	
	190	3.9	93					IRLS4030-7P			

\*  $I_D$  measured at  $T_c = 25^\circ\text{C}$     ††  $R_{DS(on)}$  measured at  $V_{GS} = 4.5\text{V}$

Product Line	Applications	Key Products
 <p><b>Energy Saving Products</b> Integrated design platforms that enable customers to add energy-conserving features that achieve lower operating energy costs and manufacturing Bill of Material (BOM) costs.</p>	<ul style="list-style-type: none"> <li>• Appliances</li> <li>• Audio</li> <li>• Display</li> <li>• Industrial</li> <li>• Lighting</li> <li>• SMPS</li> </ul>	<ul style="list-style-type: none"> <li>• Digital Control ICs</li> <li>• High-Voltage ICs</li> <li>• IGBTs</li> <li>• IRAM Integrated Power Modules</li> <li>• MERs</li> <li>• <math>\mu</math>IPM™</li> </ul>
 <p><b>Enterprise Power</b> Optimized power management system solutions that deliver benchmark power density, efficiency and performance in enterprise power.</p>	<ul style="list-style-type: none"> <li>• Servers</li> <li>• Storage Networks</li> <li>• Switchers &amp; Routers</li> <li>• Workstations</li> <li>• Notebooks</li> <li>• Game Stations</li> <li>• Set-Top Box</li> </ul>	<ul style="list-style-type: none"> <li>• DirectFET®<i>plus</i></li> <li>• Sup/IRBuck®</li> <li>• PowIRstage®</li> <li>• CHiL Digital Controllers</li> </ul>
 <p><b>Automotive</b> Automotive grade power management solutions qualified to meet the needs of 12V, 24V and HEV/EV applications with a zero defect goal.</p>	<ul style="list-style-type: none"> <li>• AC and DC Motor Drives</li> <li>• Powertrain / Engine control</li> <li>• Body Electronics</li> <li>• Lighting</li> <li>• Class D Audio</li> <li>• Heavy Loads and Actuators</li> </ul>	<p>Automotive Qualified:</p> <ul style="list-style-type: none"> <li>• HEXFET® Power MOSFETs</li> <li>• Intelligent Power Switches</li> <li>• Driver ICs</li> <li>• IGBTs</li> <li>• DirectFET®<b>2</b></li> <li>• COOLiR™</li> </ul>
 <p><b>Benchmark MOSFETs</b> IR continues to lead the industry by offering power MOSFETs with the lowest <math>R_{DS(on)}</math> and widest range of packages up to 250V for a diverse range of applications.</p>	<ul style="list-style-type: none"> <li>• Audio</li> <li>• Computing</li> <li>• Communications</li> <li>• Motor Control</li> <li>• Power Supply</li> <li>• Synchronous Rectification</li> </ul>	<ul style="list-style-type: none"> <li>• Discrete HEXFET® MOSFETs</li> <li>• Dual HEXFET® MOSFETs</li> <li>• FETKY®</li> <li>• DirectFET®</li> <li>• StrongIRFET™</li> <li>• FastIRFET™</li> </ul>
 <p><b>HiRel</b> Our discrete components, complex hybrid power module assemblies and rugged DC-DC converters utilize leading-edge power technology which, together with demanding environmental specifications help engineers to meet their toughest design challenges.</p>	<ul style="list-style-type: none"> <li>• Space</li> <li>• Military</li> <li>• Commercial Aviation</li> <li>• Rugged Industrial</li> <li>• Medical</li> </ul>	<ul style="list-style-type: none"> <li>• RAD-Hard MOSFETs</li> <li>• Power Modules/Hybrid Solutions</li> <li>• Motor Control Solutions</li> <li>• DC-DC Converters</li> </ul>