

Power MOSFETs - continued

TO-263 (D²-Pak) - continued

V_{DS} 20V - 100V - continued

V _{DS} V	R _{DS(on)} Ω	I _{D cont} @ 25°C A	V _{GS(th)} max. (*min) V	P _D ** @ 25°C W	P _D @ 25°C W	Mfr.	Mfrs List No.
N Channel							
55	0.008	104	2.0	3.8	200	IR	IRL2505S
55	0.008	104	2.0	3.8	200	IR	IRL2505SPBF
55	0.0075	94	4	—	140	IR	IRF1010ZSPBF
55	0.007	80	2.0	3.0	210	INF	SPB80N06S2L-07.
55	0.0065	110	4	—	170	IR	IRF3205ZSPBF
55	0.006	110	3	3.7	158	SLX	SUM110N05-06L.
55	0.0053	131	4	—	200	IR	IRF1405SPBF
55	0.0047	135	4	—	200	IR	IRF2805SPBF
60	0.2	10	4.0	3.7	43	IR	IRFZ14S
60	0.2	10	2.0	3.7	43	IR	IRLZ14S
60	0.06	17	4	—	44	IR	IRFZ24VSPBF
60	0.04	32	4.0	3.0	90	ON	MTB36N06V
60	0.028	30	4	—	70	IR	IRFZ34VSPBF
60	0.028	50	2	—	150	IR	IRLZ44SPBF
60	0.025	48	2.0	—	100	FCH	NDB6060L..
60	0.023	48	4	—	110	IR	IRFZ44ESPBF
60	0.022	50	4.0	3.75	120	FCH	QFB50N06
60	0.018	50	4	—	190	IR	IRFZ48RSPBF
60	0.0165	55	4	—	115	IR	IRFZ44VSPBF
60	0.012	57	4	—	92	IR	IRFZ44VZSPBF
60	0.012	60	1	—	110	ST	STB60NF06L.
60	0.012	72	4.0	—	150	IR	IRFZ48VS
60	0.012	72	4.0	150	150	IR	IRFZ48VSPBF
60	0.012	83	4	—	170	IR	IRF1010ESPBF
60	0.011	70	4	3.75	375	SLX	SUM70N06-11
60	0.010	85	4.0	3.75	160	FCH	QFB85N06
60	0.0085	84	4	—	140	IR	IRF1010EZSPBF
60	0.008	75	4.0	3.7	187	SLX	SUB75N06-08.
60	0.006	110	4	3.75	230	SLX	SUM110N06-06
60	0.0052	110	3	3.75	230	SLX	SUM110N06-05L.
60	0.0035	110	3	3.7	437.5	SLX	SUM110N06-04L.
75	0.013	82	4	3.8	200	IR	IRF2807S
75	0.013	82	4	3.8	200	IR	IRF2807SPBF
75	0.010	110	4	3.7	200	SLX	SUM110N08-10
75	0.0094	89	4	—	170	IR	IRF2807ZSPBF
75	0.0078	100	4	—	200	IR	IRF1407SPBF
75	0.007	110	3	3.75	230	SLX	SUM110N08-07L.
75	0.007	110	4	3.7	200	SLX	SUM110N08-07.
75	0.0048	110	3	3.7	437.5	SLX	SUM110N08-05.
100	0.54	5.6	4	3.7	43	IR	IRF510S
100	0.2	9.7	4.0	3.8	48	IR	IRF520NS
100	0.165	9.6	4	—	44	IR	IRF520VSPBF
100	0.18	10	2	3.8	48	IR	IRL520NS
100	0.11	17	4	3.8	79	IR	IRF530NS
100	0.1	17	2	3.8	79	IR	IRL530NS
100	0.052	33	4	3.8	140	IR	IRF540NS
100	0.044	36	2	3.8	140	IR	IRL540NS
100	0.0265	36	4	—	92	IR	IRF540ZSPBF
100	0.04	40	4.0	2.5	169	ON	MTB40N10E
100	0.036	42	4	3.8	160	IR	IRF1310NS
100	0.036	42	4	3.8	160	IR	IRF1310NSPBF
100	0.028	46	4.0	3.7	150	IR	IRF3710S
100	0.027	50	4.0	—	150	ST	STB50NE10
100	0.026	55	2.0	3.8	200	IR	IRL2910S
100	0.026	55	4.0	3.75	155	FCH	QFB55N10
100	0.025	59	5.5	3.8	200	IR	IRF559N10D
100	0.024	50	4.0	—	150	ST	STB40NF10..
100	0.023	57	4.0	3.75	160	FCH	QFB70N10
100	0.015	80	4	—	260	IR	IRF8010SPBF
100	0.0095	110	4	3.75	437.5	SLX	SUM110N10-09.
200	0.36	10	4	3.13	87	FCH	QFB10N20
P Channel							
55	0.175	12	4.0	3.8	45	IR	IRF9224NS
55	0.1	19	4	3.8	68	IR	IRF9234NS
55	0.06	31	4.0	3.8	110	IR	IRF5305S
55	0.02	64	4.0	3.7	150	IR	IRF4905S
60	0.5	6.7	4.0	3.8	43	IR	IRF9214S
60	0.12	23	4.0	3.0	90	ON	MTB23P06V
60	0.07	27	4.0	—	120	FCH	QFB27P06
60	0.02	60	4.0	3.7	150	SLX	SUB65P06-20.
100	0.48	6.8	4.0	3.8	48	IR	IRF920NS
100	0.2	14	4	3.8	79	IR	IRF9530NS
100	0.117	23	4	3.8	140	IR	IRF9540NS
100	0.06	40	4	3.8	200	IR	IRF5210S

** When mounted on 1" square PCB

383336

Mfrs. List No.	Order Code	1+	25+	100+	1K+
FDB6670S	NEW SMD 984-4970	118.00	93.00	68.00	59.00
QFB10N20	SMD 984-4988	44.00	31.00	26.00	24.00
QFB27P06	NEW SMD 438-8276	51.00	37.00	29.00	—
QFB50N06.	SMD 394-3847	53.00	37.00	33.00	—
QFB50N06	SMD 984-4996	53.00	37.00	33.00	—
QFB55N10.	SMD 394-3860	97.00	67.00	56.00	52.00
QFB55N10	SMD 984-5003	97.00	67.00	56.00	52.00
QFB70N10	SMD 394-3872	112.00	78.00	69.00	64.00
QFB85N06	SMD 394-3859	130.00	92.00	81.00	75.00
IRF1010NSPBF	NEW SMD 864-7984	126.00	91.00	69.00	59.00
IRF1310NSPBF	NEW SMD 864-8000	109.00	79.00	60.00	52.00
IRF2807SPBF	NEW SMD 864-8042	139.00	99.00	76.00	65.00
IRF3205SPBF	NEW SMD 864-8069	128.00	92.00	70.00	60.00
IRF3706SPBF	NEW SMD 864-8131	91.00	65.00	53.00	48.00
IRF3707SPBF	NEW SMD 864-8140	91.00	65.00	50.00	43.00

Mfrs. List No.	Order Code	1+	25+	100+	1K+
IRF510S	SMD 362-0645	62.00	45.00	—	—
IRF520NS	SMD 369-4215	52.00	45.00	37.00	—
IRF530NS	SMD 357-2328	54.00	45.00	40.00	—
IRF540NS	SMD 357-2286	88.00	73.00	64.00	—
IRF520VSPBF	SMD 865-7696	66.00	47.00	36.00	31.00
IRF540ZSPBF	SMD 865-7700	91.00	65.00	50.00	43.00
IRF1010ESPBF	NEW SMD 865-7319	122.00	88.00	67.00	58.00
IRF1010EZSPBF	NEW SMD 865-7335	131.00	94.00	71.00	62.00
IRF1010NS	SMD 362-0591	162.00	—	—	—
IRF1010ZSPBF	NEW SMD 865-7351	132.00	95.00	72.00	62.00
IRF1104S.	NEW SMD 489-6919	133.00	102.00	87.00	—
IRF1310NS	SMD 357-2330	114.00	82.00	64.00	—
IRF1404SPBF	NEW SMD 865-7386	178.00	128.00	98.00	84.00
IRF1405SPBF	NEW SMD 865-7408	178.00	128.00	98.00	84.00
IRF1407SPBF	NEW SMD 865-7432	201.00	144.00	110.00	94.00
IRF1503SPBF	NEW SMD 865-7459	186.00	133.00	108.00	98.00
IRF2204SPBF	NEW SMD 865-7483	153.00	110.00	84.00	72.00
IRF2805SPBF	NEW SMD 865-7513	183.00	131.00	100.00	86.00
IRF2807S	SMD 362-0608	139.00	112.00	95.00	—
IRF2807ZSPBF	NEW SMD 865-7530	136.00	98.00	75.00	64.00
IRF3205S	SMD 740-810	128.00	92.00	74.00	—
IRF3205ZSPBF	NEW SMD 865-7564	125.00	90.00	68.00	59.00
IRF3707ZSPBF	NEW SMD 865-7602	71.00	51.00	39.00	34.00
IRF3709SPBF	NEW SMD 865-7629	86.00	62.00	47.00	41.00
IRF3710S	SMD 740-822	241.00	201.00	175.00	—
IRF3711SPBF	NEW SMD 865-7637	77.00	56.00	42.00	36.00
IRF3711ZSPBF	NEW SMD 865-7653	74.00	53.00	41.00	35.00
IRF4905S	SMD 740-858	185.00	123.00	106.00	84.00
IRF5210S	SMD 357-2341	147.00	118.00	104.00	—
IRF5305S	SMD 394-0858	112.00	80.00	65.00	59.00
IRF8010SPBF	SMD 865-7831	171.00	123.00	99.00	91.00
IRF9520NS	SMD 369-4379	86.00	61.00	50.00	47.00
IRF9530NS	SMD 362-0736	73.00	57.00	46.00	—
IRF9540NS	SMD 362-0748	114.00	95.00	83.00	—
IRF54610PBF	SMD 905-2038	152.00	109.00	83.00	71.00
IRF9214S	SMD 394-0950	55.00	49.00	43.00	—
IRF9224NS	SMD 394-0962	86.00	61.00	52.00	50.00
IRF9234NS	SMD 357-2353	83.00	69.00	60.00	—
IRF559N10D	SMD 393-9212	135.00	112.00	98.00	—
IRFZ14S	SMD 394-1012	62.00	48.00	—	—
IRFZ24NS	SMD 369-4483	67.00	48.00	—	—
IRFZ24NSPBF	NEW SMD 865-0179	74.00	53.00	43.00	39.00
IRFZ24VSPBF	NEW SMD 865-9230	60.00	43.00	33.00	28.00
IRFZ34NS	SMD 362-0931	62.00	—	—	—
IRFZ34NSPBF	NEW SMD 865-0209	87.00	62.00	48.00	41.00
IRFZ34VSPBF	NEW SMD 865-9265	65.00	47.00	36.00	31.00
IRFZ44ESPBF	NEW SMD 865-9273	97.00	69.00	53.00	46.00
IRFZ44NS	SMD 357-2298	79.00	66.00	58.00	—
IRFZ44NSPBF	NEW SMD 865-0233	115.00	82.00	63.00	54.00
IRFZ44VSPBF	NEW SMD 865-9290	98.00	70.00	54.00	46.00
IRFZ44VZSPBF	NEW SMD 865-9303	90.00	64.00	49.00	42.00
IRFZ44ZSPBF	NEW SMD 865-9320	84.00	60.00	49.00	44.00
IRFZ46NSPBF	NEW SMD 865-9338	132.00	94.00	72.00	62.00
IRFZ46ZSPBF	NEW SMD 865-9354	85.00	61.00	47.00	40.00
IRFZ48RSPBF	NEW SMD 865-9362	182.00	131.00	100.00	86.00
IRFZ48VS	NEW SMD 489-7298	98.00	51.00	46.00	43.00
IRFZ48VSPBF	NEW SMD 865-0306	84.00	60.00	46.00	40.00
IRFZ48ZSPBF	NEW SMD 865-9389	90.00	64.00	49.00	42.00
IRL1004SPBF	NEW SMD 865-0861	214.00	154.00	118.00	101.00
IRL1104SPBF	NEW SMD 865-0888	144.00	104.00	79.00	68.00
IRL1404SPBF	NEW SMD 865-9710	238.00	171.00	131.00	112.00
IRL2203NS	SMD 357-2365	154.00	—	—	—
IRL2203NSPBF	NEW SMD 865-0900	226.00	162.00	124.00	106.00
IRL2505S	SMD 393-9248	391.00	284.00	—	—
IRL2505SPBF	NEW SMD 865-0926	168.00	121.00	92.00	79.00
IRL2703SPBF	NEW SMD 865-9737	73.00	52.00	40.00	34.00
IRL2910S	SMD 369-4537	358.00	260.00	—	—
IRL3102S	SMD 393-9261	75.00	63.00	56.00	—
IRL3102SPBF	NEW SMD 865-0950	104.00	75.00	57.00	49.00
IRL3103S	SMD 740-846	125.00	—	—	—
IRL3103SPBF	NEW SMD 865-0977	91.00	65.00	50.00	43.00
IRL3302S	SMD 393-9285	74.00	53.00	46.00	—
IRL3302SPBF	NEW SMD 865-0985	74.00	53.00	41.00	