

**Power MOSFETs - continued**

**TO-220, N Channel 20V to 80V - continued**

V <sub>DS</sub> V	R <sub>DS(on)</sub> Ω	I <sub>D cont</sub> @ 25°C A	I <sub>D</sub> pulsed A	P <sub>D</sub> @ 25°C W	Pin Out	Mfrs.	Mfrs. list No.
40	0.009	100	400	170	a	IR	IRF1104PBF
40	0.004	162	650	200	a	IR	IRF1404
40	0.004	162	650	200	a	IR	IRF1404PBF
40	0.0037	190	750	220	a	IR	IRF1404ZPBF
40	0.0036	210	850	330	a	IR	IRF2204PBF
40	0.002	280	1080	330	a	IR	IRF2804PBF
50	0.08	20	80	85	a	ST	BUZ10
50	0.055	27	108	95	a	ST	BUZ11A
50	0.05	30	—	105	a	ST	STP30N05
50	0.04	36	144	120	a	ST	BUZ11
55	0.07	17	68	45	a	IR	IRFZ24N
55	0.07	17	68	45	a	IR	IRFZ24NPBF
55	0.04	26	100	56	a	IR	IRFZ34N
55	0.04	31	124	75	a	INF	BUZ103S
55	0.02	46	180	88	a	IR	IRFZ46N
55	0.024	41	160	83	a	IR	IRFZ44NPBF
55	0.02	46	180	88	a	IR	IRFZ46NPBF
55	0.0139	51	200	80	a	IR	IRFZ44ZPBF
55	0.0136	51	200	82	a	IR	IRFZ46ZPBF
55	0.0125	68	270	115	a	IR	IRF1010N
55	0.0125	68	270	115	a	IR	IRF1010NPBF
55	0.011	61	240	91	a	IR	IRFZ48ZPBF
55	0.008	80	250	250	a	INF	BUZ111S
55	0.008	98*	390	150	a	IR	IRF3205
55	0.008	98*	390	150	a	IR	IRF3205PBF
55	0.008	98	390	150	a	IR	IRF3205PBF
55	0.0075	94	360	140	a	IR	IRF1010ZPBF
55	0.0065	110	440	170	a	IR	IRF3205ZPBF
55	0.0053	169	680	330	a	IR	IRF1405
55	0.0053	169	680	330	a	IR	IRF1405PBF
55	0.0049	150	600	230	a	IR	IRF1405ZPBF
55	0.0048	80	320	300	a	INF	SPP80N06S2-05.
55	0.0047	175	700	330	a	IR	IRF2805PBF
60	0.2	10	40	36	a	IR	IRFZ14
60	0.2	10	40	36	a	IR	IRFZ14PBF
60	0.08	16	64	45	a	ST	STP16NF06
60	0.06	17	68	44	a	IR	IRFZ24VPBF
60	0.05	30	120	0	a	IR	IRFZ34PBF
60	0.04	30	120	70	a	ST	STP36NF06
60	0.042	28	112	68	a	IR	IRFZ34E
60	0.042	28	112	68	a	IR	IRFZ34EPBF
60	0.028	30	120	70	a	IR	IRFZ34VPBF
60	0.028	50	200	150	a	IR	IRFZ44RPBF
60	0.028	50	200	0	a	IR	IRFZ44PBF
60	0.025	48	144	100	a	FCH	NDP6060
60	0.023	48	192	110	a	IR	IRFZ44E
60	0.023	48	192	110	a	IR	IRFZ44EPBF
60	0.018	50	290	190	a	IR	IRFZ48PBF
60	0.018	50	290	190	a	IR	IRFZ48RPBF
60	0.018	60	240	120	a	SLX	SUP60N06-18.
60	0.0165	55	220	115	a	IR	IRFZ44VPBF
60	0.016	55	220	95	a	ST	STP55NF06L
60	0.016	60	240	150	a	ST	STP60NE06-16
60	0.014	60	240	110	a	ST	STP60NF06
60	0.015	50	200	30	a	ST	STP55NF06
60	0.012	57	230	92	a	IR	IRFZ44ZPBF
60	0.012	72	290	150	a	IR	IRFZ48VPBF
60	0.012	81	330	170	a	IR	IRF1010E
60	0.012	81	330	170	a	IR	IRF1010EPBF
60	0.01	80	320	150	a	ST	STP80NE06-10
60	0.009	115	360	270	a	IR	IRFB4215PBF
60	0.0085	84	340	140	a	IR	IRF1010EZPBF
60	0.008	75	240	187	a	SLX	SUP75N06-08.
75	0.0126	80	320	200	a	IR	IRF3007PBF
75	0.013	75	—	160	a	ST	STP75NE75
75	0.013	71	280	150	a	IR	IRF2807
75	0.013	71	280	150	a	IR	IRF2807PBF
75	0.0095	80	320	300	a	ST	STP75NF75
75	0.0094	89	350	170	a	IR	IRF2807ZPBF
75	0.0079	70	280	70	a	FE	2SK3730-01MR
75	0.0078	130	520	330	a	IR	IRF1407PBF
75	0.0075	142	570	380	a	IR	IRF1607PBF
75	0.0071	80	320	300	a	INF	SPP80N08S2-07.
75	0.007	140	550	330	a	IR	IRF3808PBF
75	0.0045	170	680	330	a	IR	IRF2907ZPBF
80	4	1.46	3	15	b	SLX	VN88AFD
80	0.01	75	240	187	a	SLX	SUP75N08-10.
80	0.01	95	380	210	a	IR	IRF1312PBF

\*Exceeds package current handling capability  
\*\*Denotes fully protected, MESH Overlay, voltage clamped

211273

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
BUZ10	353-980	78.00	60.00	48.00	37.00	--
BUZ11A	354-016	84.00	64.00	52.00	40.00	--
IRF1010E	167-897▲	190.00	136.00	110.00	100.00	--
IRF1010EPBF	864-7968●	190.00	136.00	104.00	89.00	--
IRF1010EZPBF	865-7327●	118.00	85.00	64.00	56.00	--
IRF1010N	637-397▲	130.00	108.00	95.00	--	--
IRF1010NPBF	864-7976●	190.00	136.00	104.00	89.00	--
IRF1010ZPBF	865-7343●	127.00	91.00	69.00	60.00	--
IRF1104PBF	864-7992●	136.00	98.00	75.00	64.00	--
IRF1302PBF	865-7360●	88.00	63.00	48.00	42.00	--
IRF1312PBF	865-7378●	208.00	149.00	114.00	98.00	--
IRF1404	393-9108▲	149.00	115.00	101.00	--	--

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
IRF1404PBF	864-8018●	201.00	145.00	117.00	107.00	--
IRF1404ZPBF	865-7394●	176.00	126.00	96.00	83.00	--
IRF1405	393-9110▲	232.00	166.00	135.00	123.00	--
IRF1405PBF	864-8026●	232.00	166.00	127.00	109.00	--
IRF1405ZPBF	865-7416●	225.00	162.00	123.00	106.00	--
IRF1407PBF	865-7424●	190.00	136.00	104.00	89.00	--
IRF1503PBF	865-7440●	149.00	107.00	82.00	70.00	--
IRF1607PBF	865-7467●	216.00	155.00	118.00	102.00	--
IRF2204PBF	865-7475●	150.00	108.00	82.00	71.00	--
IRF2804PBF	865-7491●	261.00	187.00	143.00	123.00	--
IRF2805PBF	865-7505●	225.00	161.00	123.00	106.00	--
IRF2807	996-117▲	193.00	124.00	111.00	--	--
IRF2807PBF	864-8034●	210.00	151.00	115.00	99.00	--
IRF2807ZPBF	865-7521●	122.00	88.00	67.00	58.00	--
IRF2907ZPBF	865-7548●	156.00	112.00	91.00	83.00	--
IRF3007PBF	865-7556●	104.00	75.00	57.00	49.00	--
IRF3205	706-425▲	251.00	208.00	182.00	--	--
IRF3205PBF	864-8050●	365.00	262.00	200.00	172.00	--
IRF3205ZPBF	NEW 821-0640●	256.00	136.00	110.00	91.00	--
1.5KE400CA	988-5056●	40.00	30.00	23.00	16.00	--
1.5KE43A	988-5064●	28.00	21.00	16.00	12.00	--
1.5KE440A	NEW 988-5072●	37.00	29.00	22.00	16.00	--
IRF3703PBF	865-7580●	248.00	178.00	144.00	132.00	--
IRF3704PBF	864-8115●	87.00	62.00	48.00	41.00	--
IRF3706PBF	864-8123●	87.00	62.00	48.00	41.00	--
IRF3707ZPBF	865-7599●	60.00	43.00	32.00	28.00	--
IRF3708PBF	864-8158●	87.00	62.00	48.00	41.00	--
IRF3709PBF	865-7610●	80.00	57.00	44.00	38.00	--
IRF3711PBF	864-8182●	77.00	56.00	42.00	36.00	--
IRF3711ZPBF	865-7645●	64.00	46.00	35.00	30.00	--
IRF3808PBF	865-7661●	190.00	136.00	104.00	89.00	--
IRF4104PBF	865-7670●	134.00	97.00	74.00	63.00	--
IRFB4215PBF	865-7963●	140.00	101.00	77.00	66.00	--
IRFZ14	354-790▲	44.00	38.00	35.00	--	--
IRFZ14PBF	865-0152●	63.00	45.00	35.00	30.00	--
IRFZ24N	637-403▲	53.00	44.00	39.00	--	--
IRFZ24NPBF	865-0160●	77.00	55.00	45.00	41.00	--
IRFZ24VPBF	865-9222●	66.00	47.00	36.00	31.00	--
IRFZ34EPBF	865-0187●	74.00	53.00	41.00	35.00	--
IRFZ34PBF	865-9249●	94.00	68.00	52.00	44.00	--
IRFZ34VPBF	865-9257●	63.00	45.00	35.00	30.00	--
IRFZ44PBF	865-9281●	126.00	91.00	69.00	59.00	--
IRFZ44ZPBF	NEW 821-0578●	126.00	66.00	54.00	47.00	--
IRFZ44ZPBF	865-9311●	75.00	53.00	41.00	35.00	--
IRFZ46ZPBF	865-9346●	76.00	54.00	42.00	36.00	--
IRFZ48ZPBF	865-9370●	80.00	58.00	44.00	38.00	--
IRFZ34E	168-180▲	73.00	53.00	43.00	39.00	--
IRFZ34EPBF	865-0187●	74.00	53.00	41.00	35.00	--
IRFZ34N	637-350▲	64.00	41.00	37.00	--	--
IRFZ34NPBF	865-0195●	64.00	46.00	38.00	34.00	--
IRFZ44E	168-208▲	90.00	64.00	55.00	53.00	--
IRFZ44EPBF	865-0217●	90.00	64.00	49.00	42.00	--
IRFZ44NPBF	865-0225●	76.00	54.00	42.00	36.00	--
IRFZ44RPBF	865-0241●	93.00	67.00	51.00	44.00	--
IRFZ44VPBF	865-0250●	67.00	48.00	37.00	32.00	--
IRFZ46N	637-361▲	81.00	67.00	57.00	--	--
IRFZ46NPBF	865-0268●	118.00	85.00	64.00	56.00	--
IRFZ48PBF	865-0276●	140.00	101.00	77.00	66.00	--
IRFZ48RPBF	865-0284●	140.00	101.00	77.00	66.00	--
IRFZ48VPBF	865-0292●	126.00	91.00	69.00	59.00	--
NDP6060	101-7725●	134.00	99.00	81.00	60.00	--
SPP80N06S2-05.	357-6838	192.00	147.00	119.00	--	--
SPP80N08S2-07.	357-6863	204.00	157.00	127.00	--	--
STP16NF06	816-5203●	54.00	43.00	35.00	26.00	--
STP36NF06	816-5211●	58.00	46.00	37.00	28.00	--
STP55NF06.	NEW 483-3478▲‡	111.00	85.00	73.00	57.00	--
STP55NF06L	816-5254●	90.00	69.00	56.00	45.00	--
STP60NE06-16	498-038▲	119.00	91.00	78.00	67.00	--
STP60NF06.	NEW 483-3510▲‡	126.00	97.00	83.00	62.00	--
STP75NF75	816-5289●					