

SELECTION GUIDE BY PART NUMBER

Type	V _{(BR)DSS} (V)	R _{DS(on)} ^① (max) (Ω)	I _D (A)	Package	I _{D(max)} (A)	P _{tot} (W)	f _{ts} min (mho)	C _{iss} max (pF)	Page
BUZ10	50	0.08	13.00	TO-220	20.00	70	8.00	700typ	159
BUZ10A	50	0.12	10.00	TO-220	17.00	75	3.00	2000	163
BUZ11	50	0.04	15.00	TO-220	30.00	75	4.00	2000	167
BUZ11A	50	0.06	15.00	TO-220	25.00	75	4.00	2000	173
BUZ11FI	50	0.04	15.00	ISOWATT220	20.00	35	4.00	2000	167
BUZ11S2	60	0.04	15.00	TO-220	30.00	75	4.00	2000	177
BUZ11S2FI	60	0.04	15.00	ISOWATT220	20.00	35	4.00	2000	177
BUZ20	100	0.20	6.00	TO-220	12.00	75	2.70	2000	183
BUZ21	100	0.10	9.00	TO-220	19.00	75	4.00	2000	187
BUZ25	100	0.10	9.00	TO-3	19.00	78	4.00	2000	191
BUZ32	200	0.40	4.50	TO-220	9.50	75	2.20	2000	195
BUZ41A	500	1.50	2.50	TO-220	4.50	75	1.50	2000	199
BUZ42	500	2.00	2.50	TO-220	4.00	75	1.50	2000	203
BUZ45	500	0.60	5.00	TO-3	9.60	125	2.70	4900	207
BUZ45A	500	0.80	5.00	TO-3	8.30	125	2.70	4900	211
BUZ60	400	1.00	2.50	TO-220	5.50	75	1.70	2000	215
BUZ60B	400	1.50	2.50	TO-220	4.50	75	1.70	2000	219
BUZ71	50	0.10	9.00	TO-220	14.00	40	3.00	650	223
BUZ71A	50	0.12	9.00	TO-220	13.00	40	3.00	650	229
BUZ71FI	50	0.10	9.00	ISOWATT220	12.00	30	3.00	650	223
BUZ72A	100	0.25	5.00	TO-220	9.00	40	2.70	600	233
BUZ74	500	3.00	1.20	TO-220	2.40	40	0.80	500	237
BUZ74A	500	4.00	1.20	TO-220	2.00	40	0.80	500	241
BUZ76	400	1.80	1.50	TO-220	3.00	40	0.80	500	245
BUZ76A	400	2.50	1.50	TO-220	2.60	40	0.80	500	249
BUZ353	500	0.60	5.50	TO-220	9.50	125	2.70	4900	253
BUZ354	500	0.80	5.50	TO-218	8.00	125	2.70	4900	257
IRF140	100	0.077	17.00	TO-3	28.00	125	8.70	1600	261
IRF141	80	0.077	17.00	TO-3	28.00	125	8.70	1600	261
IRF142	100	0.10	17.00	TO-3	25.00	125	8.70	1600	261
IRF143	80	0.10	17.00	TO-3	25.00	125	8.70	1600	261
IRF150	100	0.055	20.00	TO-3	40.00	150	9.00	3000	267
IRF151	60	0.055	20.00	TO-3	40.00	150	9.00	3000	267
IRF152	100	0.08	20.00	TO-3	33.00	150	9.00	3000	267
IRF153	60	0.08	20.00	TO-3	33.00	150	9.00	3000	267
IRF350	400	0.30	8.00	TO-3	15.00	150	8.00	3000	273
IRF450	500	0.40	7.20	TO-3	13.00	150	8.70	3000	279
IRF451	450	0.40	7.20	TO-3	13.00	150	8.70	3000	279
IRF452	500	0.50	7.20	TO-3	11.00	150	8.70	3000	279
IRF453	450	0.50	7.20	TO-3	11.00	150	8.70	3000	279
IRF520	100	0.27	5.60	TO-220	9.20	60	2.70	600	285
IRF520FI	100	0.27	5.60	ISOWATT220	7.00	30	2.70	600	285
IRF521	80	0.27	5.60	TO-220	9.20	60	2.70	600	285
IRF521FI	80	0.27	5.60	ISOWATT220	7.00	30	2.70	600	285
IRF522	100	0.36	5.60	TO-220	8.00	60	2.70	600	285

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IRF522FI	100	0.36	5.60	ISOWATT220	6.00	30	2.70	600	285
IRF523	80	0.36	5.60	TO-220	8.00	60	2.70	600	285
IRF523FI	80	0.36	5.60	ISOWATT220	6.00	30	2.70	600	285
IRF530	100	0.16	8.30	TO-220	14.00	79	5.10	800	291
IRF530FI	100	0.16	8.30	ISOWATT220	9.00	35	5.10	800	291
IRF531	80	0.16	8.30	TO-220	14.00	79	5.10	800	291
IRF531FI	80	0.16	8.30	ISOWATT220	9.00	35	5.10	800	291
IRF532	100	0.23	8.30	TO-220	12.00	79	5.10	800	291
IRF532FI	100	0.23	8.30	ISOWATT220	8.00	35	5.10	800	291
IRF533	80	0.23	8.30	TO-220	12.00	79	5.10	800	291
IRF533FI	80	0.23	8.30	ISOWATT220	8.00	35	5.10	800	291
IRF540	100	0.077	17.00	TO-220	28.00	125	8.70	1600	295
IRF540FI	100	0.077	17.00	ISOWATT220	15.00	40	8.70	1600	295
IRF541	80	0.077	17.00	TO-220	28.00	125	8.70	1600	295
IRF541FI	80	0.077	17.00	ISOWATT220	15.00	40	8.70	1600	295
IRF542	100	0.10	17.00	TO-220	25.00	125	8.70	1600	295
IRF542FI	100	0.10	17.00	ISOWATT220	14.00	40	8.70	1600	295
IRF543	80	0.10	17.00	TO-220	25.00	125	8.70	1600	295
IRF543FI	80	0.10	17.00	ISOWATT220	14.00	40	8.70	1600	295
IRF620	200	0.80	2.50	TO-220	5.00	40	1.30	600	301
IRF620FI	200	0.80	2.50	ISOWATT220	4.00	30	1.30	600	301
IRF621	150	0.80	2.50	TO-220	5.00	40	1.30	600	301
IRF621FI	150	0.80	2.50	ISOWATT220	4.00	30	1.30	600	301
IRF622	200	1.20	2.50	TO-220	4.00	40	1.30	600	301
IRF622FI	200	1.20	2.50	ISOWATT220	3.50	30	1.30	600	301
IRF623	150	1.20	2.50	TO-220	4.00	40	1.30	600	301
IRF623FI	150	1.20	2.50	ISOWATT220	3.50	30	1.30	600	301
IRF720	400	1.80	1.80	TO-220	3.30	50	1.00	600	307
IRF720FI	400	1.80	1.80	ISOWATT220	2.50	30	1.00	600	307
IRF721	350	1.80	1.80	TO-220	3.30	50	1.00	600	307
IRF721FI	350	1.80	1.80	ISOWATT220	2.50	30	1.00	600	307
IRF722	400	2.50	1.80	TO-220	2.80	50	1.00	600	307
IRF722FI	400	2.50	1.80	ISOWATT220	2.00	30	1.00	600	307
IRF723	350	2.50	1.80	TO-220	2.80	50	1.00	600	307
IRF723FI	350	2.50	1.80	ISOWATT220	2.00	30	1.00	600	307
IRF730	400	1.00	3.00	TO-220	5.50	74	2.90	800	313
IRF730FI	400	1.00	3.00	ISOWATT220	3.50	35	2.90	800	313
IRF731	350	1.00	3.00	TO-220	5.50	74	2.90	800	313
IRF731FI	350	1.00	3.00	ISOWATT220	3.50	35	2.90	800	313
IRF732	400	1.50	3.00	TO-220	4.50	74	2.90	800	313
IRF732FI	400	1.50	3.00	ISOWATT220	3.00	35	2.90	800	313
IRF733	350	1.50	3.00	TO-220	4.50	74	2.90	800	313
IRF733FI	350	1.50	3.00	ISOWATT220	3.00	35	2.90	800	313
IRF740	400	0.55	5.20	TO-220	10.00	125	4.00	1600	319
IRF740FI	400	0.55	5.20	ISOWATT220	5.50	40	4.00	1600	319

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IRF741	350	0.55	5.20	TO-220	10.00	125	4.00	1600	319
IRF741FI	350	0.55	5.20	ISOWATT220	5.50	40	4.00	1600	319
IRF742	400	0.80	5.20	TO-220	8.30	125	4.00	1600	319
IRF742FI	400	0.80	5.20	ISOWATT220	4.50	40	4.00	1600	319
IRF743	350	0.80	5.20	TO-220	8.30	125	4.00	1600	319
IRF743FI	350	0.80	5.20	ISOWATT220	4.50	40	4.00	1600	319
IRF820	500	3.00	1.40	TO-220	2.50	50	1.00	400	325
IRF820FI	500	3.00	1.40	ISOWATT220	2.00	30	1.00	400	325
IRF821	450	3.00	1.40	TO-220	2.50	50	1.00	400	325
IRF821FI	450	3.00	1.40	ISOWATT220	2.00	30	1.00	400	325
IRF822	500	4.00	1.40	TO-220	2.20	50	1.00	400	325
IRF822FI	500	4.00	1.40	ISOWATT220	1.50	30	1.00	400	325
IRF823	450	4.00	1.40	TO-220	2.20	50	1.00	400	325
IRF823FI	450	4.00	1.40	ISOWATT220	1.50	30	1.00	400	325
IRF830	500	1.50	2.50	TO-220	4.50	74	2.70	800	331
IRF830FI	500	1.50	2.50	ISOWATT220	3.00	35	2.70	800	331
IRF831	450	1.50	2.50	TO-220	4.50	74	2.70	800	331
IRF831FI	450	1.50	2.50	ISOWATT220	3.00	35	2.70	800	331
IRF832	500	2.00	2.50	TO-220	4.00	74	2.70	800	331
IRF832FI	500	2.00	2.50	ISOWATT220	2.50	35	2.70	800	331
IRF833	450	2.00	2.50	TO-220	4.00	74	2.70	800	331
IRF833FI	450	2.00	2.50	ISOWATT220	2.50	35	2.70	800	331
IRF840	500	0.85	4.40	TO-220	8.00	125	4.90	1600	337
IRF840FI	500	0.85	4.40	ISOWATT220	4.50	40	4.90	1600	337
IRF841	450	0.85	4.40	TO-220	8.00	125	4.90	1600	337
IRF841FI	450	0.85	4.40	ISOWATT220	4.50	40	4.90	1600	337
IRF842	500	1.10	4.40	TO-220	7.00	125	4.90	1600	337
IRF842FI	500	1.10	4.40	ISOWATT220	4.00	40	4.90	1600	337
IRF843	450	1.10	4.40	TO-220	7.00	125	4.90	1600	337
IRF843FI	450	1.10	4.40	ISOWATT220	4.00	40	4.90	1600	337
IRFP150	100	0.055	22.00	TO-218	40.00	150	13.00	3000	343
IRFP150FI	100	0.055	22.00	ISOWATT218	26.00	65	13.00	3000	343
IRFP151	60	0.055	22.00	TO-218	40.00	150	13.00	3000	343
IRFP151FI	60	0.055	22.00	ISOWATT218	26.00	65	13.00	3000	343
IRFP152	100	0.08	22.00	TO-218	34.00	150	13.00	3000	343
IRFP152FI	100	0.08	22.00	ISOWATT218	21.00	65	13.00	3000	343
IRFP153	60	0.08	22.00	TO-218	34.00	150	13.00	3000	343
IRFP153FI	60	0.08	22.00	ISOWATT218	21.00	65	13.00	3000	343
IRFP350FI	400	0.30	8.00	ISOWATT218	10.00	70	8.00	3000	349
IRFP450	500	0.40	7.20	TO-218	14.00	180	8.70	3000	355
IRFP450FI	500	0.40	7.20	ISOWATT218	9.00	70	8.70	3000	355
IRFP451	450	0.40	7.20	TO-218	14.00	180	8.70	3000	355
IRFP451FI	450	0.40	7.20	ISOWATT218	9.00	70	8.70	3000	355
IRFP452	500	0.50	7.20	TO-218	12.00	180	8.70	3000	355
IRFP452FI	500	0.50	7.20	ISOWATT218	8.00	70	8.70	3000	355

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IRFP453	450	0.50	7.20	TO-218	12.00	180	8.70	3000	355
IRFP453FI	450	0.50	7.20	ISOWATT218	8.00	70	8.70	3000	355
IRFZ20	50	0.10	9.00	TO-220	15.00	40	5.00	850	361
IRFZ20FI	50	0.10	9.00	ISOWATT220	12.50	30	5.00	850	361
IRFZ22	50	0.12	9.00	TO-220	14.00	40	5.00	850	361
IRFZ22FI	50	0.12	9.00	ISOWATT220	12.00	30	5.00	850	361
IRFZ40	50	0.028	29.00	TO-220	35.00	125	17.00	3000	367
IRFZ42	50	0.035	29.00	TO-220	35.00	125	17.00	3000	367
MTH6N60FI	600	1.20	3.00	ISOWATT218	3.50	40	2.00	1800	373
MTH40N06	60	0.028	20.00	TO-218	40.00	150	10.00	5000	379
MTH40N06FI	60	0.028	20.00	ISOWATT218	26.00	65	10.00	5000	379
MTP3N60	600	2.50	1.50	TO-220	3.00	75	1.50	1000	385
MTP3N60FI	600	2.50	1.50	ISOWATT220	2.50	35	1.50	1000	385
MTP6N60	600	1.20	3.00	TO-220	6.00	125	2.00	1800	391
MTP15N05L	50	0.15	7.50	TO-220	15.00	75	5.00	900	397
MTP15N05LFI	50	0.15	7.50	ISOWATT220	10.00	30	5.00	900	397
MTP15N06L	60	0.15	7.50	TO-220	15.00	75	5.00	900	397
MTP15N06LFI	60	0.15	7.50	ISOWATT220	10.00	30	5.00	900	397
MTP3055A	60	0.15	6.00	TO-220	12.00	40	4.50	500	403
MTP3055AFI	60	0.15	6.00	ISOWATT220	10.00	30	4.50	500	403
SGS30MA050D1	500	0.20	15.00	TO-240	30.00	400	15.00	9100	409
SGS35MA050D1	500	0.16	17.50	TO-240	35.00	400	15.00	12000	415
SGS100MA010D1	100	0.014	50.00	TO-240	120.00	400	20.00	11200	421
SGS150MA010D1	100	0.009	75.00	TO-240	150.00	400	20.00	14000	427
SGSP201	100	1.40	1.20	SOT-82	2.50	18	0.50	125	433
SGSP222	50	0.13	5.00	SOT-82	10.00	50	3.00	550	439
SGSP230	450	3.00	1.20	SOT-82	2.50	50	0.80	450	445
SGSP239	500	8.50	0.60	SOT-82	1.20	40	0.65	300	451
SGSP301	100	1.40	1.20	TO-220	2.50	18	0.50	125	457
SGSP311	100	0.30	5.50	TO-220	11.00	75	2.00	480	463
SGSP316	250	1.20	2.50	TO-220	5.00	75	1.50	500	469
SGSP317	200	0.75	3.00	TO-220	6.00	75	1.50	500	469
SGSP319	500	3.80	1.40	TO-220	2.80	75	0.80	380	475
SGSP321	60	0.13	8.00	TO-220	16.00	75	3.00	550	481
SGSP322	50	0.13	8.00	TO-220	16.00	75	3.00	550	481
SGSP330	450	3.00	1.50	TO-220	3.00	75	0.80	450	487
SGSP341	400	20.00	0.30	TO-220	0.60	18	0.10	105	493
SGSP351	100	0.60	3.00	TO-220	6.00	50	1.00	250	499
SGSP358	50	0.30	3.50	TO-220	7.00	50	1.50	270	505
SGSP361	100	0.15	9.00	TO-220	18.00	100	4.50	1200	511
SGSP362	80	0.10	11.00	TO-220	22.00	100	4.50	1200	511
SGSP363	250	0.45	5.00	TO-220	10.00	100	3.00	1200	517
SGSP364	450	1.50	2.50	TO-220	5.00	100	3.00	1000	523
SGSP367	200	0.33	6.00	TO-220	12.00	100	3.00	1200	517
SGSP369	500	1.50	2.50	TO-220	5.00	100	3.00	1000	523

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SGSP381	60	0.06	14.00	TO-220	28.00	100	5.00	1400	529
SGSP382	50	0.06	14.00	TO-220	28.00	100	5.00	1400	529
SGSP461	100	0.15	10.00	TO-218	20.00	125	4.50	1200	535
SGSP462	80	0.10	12.50	TO-218	25.00	125	4.50	1200	535
SGSP471	100	0.075	15.00	TO-218	30.00	150	9.00	2200	541
SGSP472	80	0.05	17.50	TO-218	35.00	150	9.00	2200	541
SGSP474	450	0.70	4.50	TO-218	9.00	150	6.00	2100	547
SGSP475	400	0.55	5.00	TO-218	10.00	150	6.00	2100	547
SGSP477	200	0.17	10.00	TO-218	20.00	150	8.00	2200	553
SGSP479	500	0.70	4.50	TO-218	9.00	150	5.00	1900	559
SGSP481	60	0.06	15.00	TO-218	30.00	125	5.00	1400	565
SGSP482	50	0.06	15.00	TO-218	30.00	125	5.00	1400	565
SGSP491	60	0.033	20.00	TO-218	40.00	150	10.00	2800	571
SGSP492	50	0.033	20.00	TO-218	40.00	150	10.00	2800	571
SGSP574	450	0.70	4.50	TO-3	9.00	150	6.00	2100	577
SGSP575	400	0.55	5.00	TO-3	10.00	150	6.00	2100	577
SGSP577	200	0.17	10.00	TO-3	20.00	150	8.00	2200	583
SGSP579	500	0.70	4.50	TO-3	9.00	150	5.00	1900	589
SGSP591	60	0.033	20.00	TO-3	40.00	150	10.00	2800	595
SGSP592	50	0.033	20.00	TO-3	40.00	150	10.00	2800	595
STHV82	800	2.00	2.00	TO-218	5.50	125	2.00	1000	601
STHV102	1000	3.50	2.00	TO-218	4.20	125	2.00	1200	607
STLT19	50	0.15	7.50	TO-220	15.00	75	5.00	480	611
STLT19FI	50	0.15	7.50	ISOWATT220	10.00	30	5.00	480	611
STLT20	60	0.15	7.50	TO-220	15.00	75	5.00	480	611
STLT20FI	60	0.15	7.50	ISOWATT220	10.00	30	5.00	480	611
STLT29	50	0.08	12.50	TO-220	25.00	100	9.00	1200	617
STLT30	60	0.08	12.50	TO-220	25.00	100	9.00	1200	617
STVHD90	50	0.023	30.00	TO-220	52.00	125	30.00	3000	621

HIMOS (IGBT)

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STHI07N50	500	2.70	7.00	TO-220	7.00	100	2.50	950	627
STHI07N50FI	500	2.70	7.00	ISOWATT220	7.00	35	2.50	950	627
STHI10N50	500	2.70	10.00	TO-220	10.00	100	2.50	950	633
STHI10N50FI	500	2.70	10.00	ISOWATT220	10.00	35	2.50	950	633