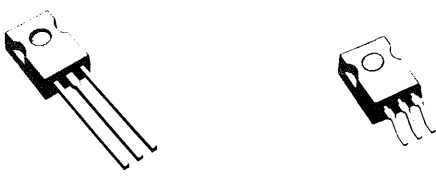


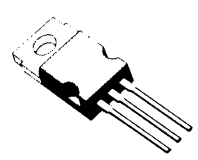
SOT-82



**OPTION
SOT-194**

$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
50	0.13	5.00	SGSP222	10.00	50	3.00	550	439
100	1.40	1.20	SGSP201	2.50	18	0.50	125	433
450	3.00	1.20	SGSP230	2.50	50	0.80	450	445
500	8.50	0.60	SGSP239	1.20	40	0.65	300	451

TO-220



$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
50	0.30	3.50	SGSP358	7.00	50	1.50	270	505
50	0.15	7.50	MTP15N05L	15.00	75	5.00	900	397
50	0.15	7.50	STLT19	15.00	75	5.00	480	611
50	0.13	8.00	SGSP322	16.00	75	3.00	550	481
50	0.12	10.00	BUZ10A	17.00	75	3.00	2000	163
50	0.12	9.00	BUZ71A	13.00	40	3.00	650	229
50	0.12	9.00	IRFZ22	14.00	40	5.00	850	361
50	0.10	9.00	BUZ71	14.00	40	3.00	650	223
50	0.10	9.00	IRFZ20	15.00	40	5.00	850	361
50	0.08	12.50	STLT29	25.00	100	9.00	1200	617
50	0.08	13.00	BUZ10	20.00	70	8.00	700 typ	159
50	0.06	15.00	BUZ11A	25.00	75	4.00	2000	173
50	0.06	14.00	SGSP382	28.00	100	5.00	1400	529
50	0.04	15.00	BUZ11	30.00	75	4.00	2000	167
50	0.035	29.00	IRFZ42	35.00	125	17.00	3000	367

SELECTION GUIDE BY PACKAGE

TO-220 (continued)

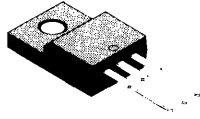
$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
50	0.028	29.00	IRFZ40	35.00	125	17.00	3000	367
50	0.023	30.00	STVHD90	52.00	125	30.00	3000	621
60	0.15	7.50	MTP15N06L	15.00	75	5.00	900	397
60	0.15	6.00	MTP3055A	12.00	40	4.50	500	403
60	0.15	7.50	STLT20	15.00	75	5.00	480	611
60	0.13	8.00	SGSP321	16.00	75	3.00	550	481
60	0.08	12.50	STLT30	25.00	100	9.00	1200	617
60	0.06	14.00	SGSP381	28.00	100	5.00	1400	529
60	0.04	15.00	BUZ11S2	30.00	75	4.00	2000	177
80	0.36	5.60	IRF523	8.00	60	2.70	600	285
80	0.27	5.60	IRF521	9.20	60	2.70	600	285
80	0.23	8.30	IRF533	12.00	79	5.10	800	291
80	0.16	8.30	IRF531	14.00	79	5.10	800	291
80	0.10	17.00	IRF543	25.00	125	8.70	1600	295
80	0.10	11.00	SGSP362	22.00	100	4.50	1200	511
80	0.077	17.00	IRF541	28.00	125	8.70	1600	295
100	1.40	1.20	SGSP301	2.50	18	0.50	125	457
100	0.60	3.00	SGSP351	6.00	50	1.00	250	499
100	0.36	5.60	IRF522	8.00	60	2.70	600	285
100	0.30	5.50	SGSP311	11.00	75	2.00	480	463
100	0.27	5.60	IRF520	9.20	60	2.70	600	285
100	0.25	5.00	BUZ72A	9.00	40	2.70	600	233
100	0.23	8.30	IRF532	12.00	79	5.10	800	291
100	0.20	6.00	BUZ20	12.00	75	2.70	2000	183
100	0.16	8.30	IRF530	14.00	79	5.10	800	291
100	0.15	9.00	SGSP361	18.00	100	4.50	1200	511
100	0.10	9.00	BUZ21	19.00	75	4.00	2000	187
100	0.10	17.00	IRF542	25.00	125	8.70	1600	295
100	0.077	17.00	IRF540	28.00	125	8.70	1600	295
150	1.20	2.50	IRF623	4.00	40	1.30	600	301
150	0.80	2.50	IRF621	5.00	40	1.30	600	301
200	1.20	2.50	IRF622	4.00	40	1.30	600	301
200	0.80	2.50	IRF620	5.00	40	1.30	600	301
200	0.75	3.00	SGSP317	6.00	75	1.50	500	469
200	0.40	4.50	BUZ32	9.50	75	2.20	2000	195
200	0.33	6.00	SGSP367	12.00	100	3.00	1200	517
250	1.20	2.50	SGSP316	5.00	75	1.50	500	469
250	0.45	5.00	SGSP363	10.00	100	3.00	1200	517
350	2.50	1.80	IRF723	2.80	50	1.00	600	307
350	1.80	1.80	IRF721	3.30	50	1.00	600	307
350	1.50	3.00	IRF733	4.50	74	2.90	800	313
350	1.00	3.00	IRF731	5.50	74	2.90	800	313
350	0.80	5.20	IRF743	8.30	125	4.00	1600	319
350	0.55	5.20	IRF741	10.00	125	4.00	1600	319
400	20.00	0.30	SGSP341	0.60	18	0.10	105	493

TO-220 (continued)

$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
400	2.50	1.50	BUZ76A	2.60	40	0.80	500	249
400	2.50	1.80	IRF722	2.80	50	1.00	600	307
400	1.80	1.50	BUZ76	3.00	40	0.80	500	245
400	1.80	1.80	IRF720	3.30	50	1.00	600	307
400	1.50	2.50	BUZ60B	4.50	75	1.70	2000	219
400	1.50	3.00	IRF732	4.50	74	2.90	800	313
400	1.00	2.50	BUZ60	5.50	75	1.70	2000	215
400	1.00	3.00	IRF730	5.50	74	2.90	800	313
400	0.80	5.20	IRF742	8.30	125	4.00	1600	319
400	0.55	5.20	IRF740	10.00	125	4.00	1600	319
450	4.00	1.40	IRF823	2.20	50	1.00	400	325
450	3.00	1.40	IRF821	2.50	50	1.00	400	325
450	3.00	1.50	SGSP330	3.00	75	0.80	450	487
450	2.00	2.50	IRF833	4.00	74	2.70	800	331
450	1.50	2.50	IRF831	4.50	74	2.70	800	331
450	1.50	2.50	SGSP364	5.00	100	3.00	1000	523
450	1.10	4.40	IRF843	7.00	125	4.90	1600	337
450	0.85	4.40	IRF841	8.00	125	4.90	1600	337
500	4.00	1.20	BUZ74A	2.00	40	0.80	500	241
500	4.00	1.40	IRF822	2.20	50	1.00	400	325
500	3.80	1.40	SGSP319	2.80	75	0.80	380	475
500	3.00	1.20	BUZ74	2.40	40	0.80	500	237
500	3.00	1.40	IRF820	2.50	50	1.00	400	325
500	2.00	2.50	BUZ42	4.00	75	1.50	2000	203
500	2.00	2.50	IRF832	4.00	74	2.70	800	331
500	1.50	2.50	BUZ41A	4.50	75	1.50	2000	199
500	1.50	2.50	IRF830	4.50	74	2.70	800	331
500	1.50	2.50	SGSP369	5.00	100	3.00	1000	523
500	1.10	4.40	IRF842	7.00	125	4.90	1600	337
500	0.85	4.40	IRF840	8.00	125	4.90	1600	337
600	2.50	1.50	MTP3N60	3.00	75	1.50	1000	385
600	1.20	3.00	MTP6N60	6.00	125	2.00	1800	391

SELECTION GUIDE BY PACKAGE

ISOWATT220

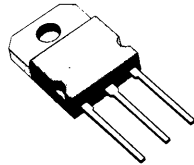


$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
50	0.15	7.50	MTP15N05LFI	10.00	30	5.00	900	397
50	0.15	7.50	STLT19FI	10.00	30	5.00	480	611
50	0.12	9.00	IRFZ22FI	12.00	30	5.00	850	361
50	0.10	9.00	BUZ71FI	12.00	30	3.00	650	223
50	0.10	9.00	IRFZ20FI	12.50	30	5.00	850	361
50	0.04	15.00	BUZ11FI	20.00	35	4.00	2000	167
60	0.15	7.50	MTP15N06LFI	10.00	30	5.00	900	397
60	0.15	6.00	MTP3055AFI	10.00	30	4.50	500	403
60	0.15	7.50	STLT20FI	10.00	30	5.00	480	611
60	0.04	15.00	BUZ11S2FI	20.00	35	4.00	2000	177
80	0.36	5.60	IRF523FI	6.00	30	2.70	600	285
80	0.27	5.60	IRF521FI	7.00	30	2.70	600	285
80	0.23	8.30	IRF533FI	8.00	35	5.10	800	291
80	0.16	8.30	IRF531FI	9.00	35	5.10	800	291
80	0.10	17.00	IRF543FI	14.00	40	8.70	1600	295
80	0.077	17.00	IRF541FI	15.00	40	8.70	1600	295
100	0.36	5.60	IRF522FI	6.00	30	2.70	600	285
100	0.27	5.60	IRF520FI	7.00	30	2.70	600	285
100	0.23	8.30	IRF532FI	8.00	35	5.10	800	291
100	0.16	8.30	IRF530FI	9.00	35	5.10	800	291
100	0.10	17.00	IRF542FI	14.00	40	8.70	1600	295
100	0.077	17.00	IRF540FI	15.00	40	8.70	1600	295
150	1.20	2.50	IRF623FI	3.50	30	1.30	600	301
150	0.80	2.50	IRF621FI	4.00	30	1.30	600	301
200	1.20	2.50	IRF622FI	3.50	30	1.30	600	301
200	0.80	2.50	IRF620FI	4.00	30	1.30	600	301
350	2.50	1.80	IRF723FI	2.00	30	1.00	600	307
350	1.80	1.80	IRF721FI	2.50	30	1.00	600	307
350	1.50	3.00	IRF733FI	3.00	35	2.90	800	313
350	1.00	3.00	IRF731FI	3.50	35	2.90	800	313
350	0.80	5.20	IRF743FI	4.50	40	4.00	1600	319
350	0.55	5.20	IRF741FI	5.50	40	4.00	1600	319
400	2.50	1.80	IRF722FI	2.00	30	1.00	600	307
400	1.80	1.80	IRF720FI	2.50	30	1.00	600	307
400	1.50	3.00	IRF732FI	3.00	35	2.90	800	313

ISOWATT220 (continued)

$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
400	1.00	3.00	IRF730FI	3.50	35	2.90	800	313
400	0.80	5.20	IRF742FI	4.50	40	4.00	1600	319
400	0.55	5.20	IRF740FI	5.50	40	4.00	1600	319
450	4.00	1.40	IRF823FI	1.50	30	1.00	400	325
450	3.00	1.40	IRF821FI	2.00	30	1.00	400	325
450	2.00	2.50	IRF833FI	2.50	35	2.70	800	331
450	1.50	2.50	IRF831FI	3.00	35	2.70	800	331
450	1.10	4.40	IRF843FI	4.00	40	4.90	1600	337
450	0.85	4.40	IRF841FI	4.50	40	4.90	1600	337
500	4.00	1.40	IRF822FI	1.50	30	1.00	400	325
500	3.00	1.40	IRF820FI	2.00	30	1.00	400	325
500	2.00	2.50	IRF832FI	2.50	35	2.70	800	331
500	1.50	2.50	IRF830FI	3.00	35	2.70	800	331
500	1.10	4.40	IRF842FI	4.00	40	4.90	1600	337
500	0.85	4.40	IRF840FI	4.50	40	4.90	1600	337
600	2.50	1.50	MTP3N60FI	2.50	35	1.50	1000	385

TO-218



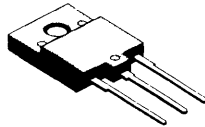
$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
50	0.06	15.00	SGSP482	30.00	125	5.00	1400	565
50	0.033	20.00	SGSP492	40.00	150	10.00	2800	571
60	0.08	22.00	IRFP153	34.00	150	13.00	3000	343
60	0.06	15.00	SGSP481	30.00	125	5.00	1400	565
60	0.055	22.00	IRFP151	40.00	150	13.00	3000	343
60	0.033	20.00	SGSP491	40.00	150	10.00	2800	571
60	0.028	20.00	MTH40N06	40.00	150	10.00	5000	379
80	0.10	12.50	SGSP462	25.00	125	4.50	1200	535
80	0.05	17.50	SGSP472	35.00	150	9.00	2200	541
100	0.15	10.00	SGSP461	20.00	125	4.50	1200	535

SELECTION GUIDE BY PACKAGE

TO-218 (continued)

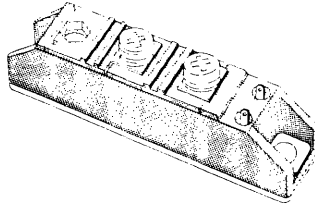
$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
100	0.08	22.00	IRFP152	34.00	150	13.00	3000	343
100	0.075	15.00	SGSP471	30.00	150	9.00	2200	541
100	0.055	22.00	IRFP150	40.00	150	13.00	3000	343
200	0.17	10.00	SGSP477	20.00	150	8.00	2200	553
400	0.55	5.00	SGSP475	10.00	150	6.00	2100	547
450	0.70	4.50	SGSP474	9.00	150	6.00	2100	547
450	0.50	7.20	IRFP453	12.00	150	8.70	3000	355
450	0.40	7.20	IRFP451	14.00	150	8.70	3000	355
500	0.80	5.50	BUZ354	8.00	125	2.70	4900	257
500	0.70	4.50	SGSP479	9.00	150	5.00	1900	559
500	0.60	5.50	BUZ353	9.50	125	2.70	4900	253
500	0.50	7.20	IRFP452	12.00	150	8.70	3000	355
500	0.40	7.20	IRFP450	14.00	150	8.70	3000	355
800	2.00	2.00	STHV82	5.50	125	2.00	1000	601
1000	3.50	2.00	STHV102	4.20	125	2.00	1200	607

ISOWATT218



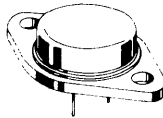
$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
60	0.08	22.00	IRFP153FI	21.00	65	13.00	3000	343
60	0.055	22.00	IRFP151FI	26.00	65	13.00	3000	343
60	0.028	20.00	MTH40N06FI	26.00	65	10.00	5000	379
100	0.08	22.00	IRFP152FI	21.00	65	13.00	3000	343
100	0.055	22.00	IRFP150FI	26.00	65	13.00	3000	343
400	0.30	8.00	IRFP350FI	10.00	70	8.00	3000	349
450	0.50	7.20	IRFP453FI	8.00	70	8.70	3000	355
450	0.40	7.20	IRFP451FI	9.00	70	8.70	3000	355
500	0.50	7.20	IRFP452FI	8.00	70	8.70	3000	355
500	0.40	7.20	IRFP450FI	9.00	70	8.70	3000	355
600	1.20	3.00	MTH6N60FI	3.50	40	2.00	1800	373

TO-240



$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
100	0.016	50.00	SGS100MA010D1	120.00	400	20.00	11200	421
100	0.009	75.00	SGS150MA010D1	150.00	400	20.00	14000	427
500	0.20	15.00	SGS30MA050D1	30.00	400	15.00	9100	409
500	0.16	17.50	SGS35MA050D1	35.00	400	15.00	12000	415

TO-3



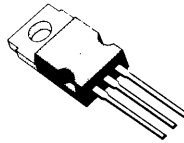
$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ [Ⓒ] (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
50	0.033	20.00	SGSP592	40.00	150	10.00	2800	595
60	0.08	20.00	IRF153	33.00	150	9.00	3000	267
60	0.055	20.00	IRF151	40.00	150	9.00	3000	267
60	0.033	20.00	SGSP591	40.00	150	10.00	2800	595
80	0.10	17.00	IRF143	25.00	125	8.70	1600	261
80	0.077	17.00	IRF141	28.00	125	8.70	1600	261
100	0.10	9.00	BUZ25	19.00	78	4.00	2000	191
100	0.10	17.00	IRF142	25.00	125	8.70	1600	261
100	0.08	20.00	IRF152	33.00	150	9.00	3000	267
100	0.077	17.00	IRF140	28.00	125	8.70	1600	261
100	0.055	20.00	IRF150	40.00	150	9.00	3000	267
200	0.17	10.00	SGSP577	20.00	150	8.00	2200	583
400	0.55	5.00	SGSP575	10.00	150	6.00	2100	577
400	0.30	8.00	IRF350	15.00	150	8.00	3000	273
450	0.70	4.50	SGSP574	9.00	150	6.00	2100	577

SELECTION GUIDE BY PACKAGE

TO-3 (continued)

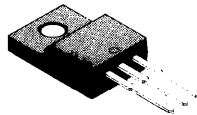
$V_{(BR)DSS}$ (V)	$R_{DS(on)}^{\text{C}}$ (max) (Ω)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
450	0.50	7.20	IRF453	11.00	150	8.70	3000	279
450	0.40	7.20	IRF451	13.00	150	8.70	3000	279
500	0.80	5.00	BUZ45A	8.30	125	2.70	4900	211
500	0.70	4.50	SGSP579	9.00	150	5.00	1900	589
500	0.60	5.00	BUZ45	9.60	125	2.70	4900	207
500	0.50	7.20	IRF452	11.00	150	8.70	3000	279
500	0.40	7.20	IRF450	13.00	150	8.70	3000	279

TO-220 (HIMOS)



$V_{(BR)DSS}$ (V)	$V_{DS(on)}$ (max) (V)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
500	2.70	7.00	STHI07N50	7.00	100	2.50	9.50	627
500	2.70	10.00	STHI10N50	10.00	100	2.50	9.50	633

ISOWATT220 (HIMOS)



$V_{(BR)DSS}$ (V)	$R_{DS(on)}^{\text{C}}$ (max) (V)	I_D (A)	Type	$I_{D(max)}$ (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)	Page
500	2.70	7.00	STHI07N50FI	7.00	35	2.50	9.50	627
500	2.70	10.00	STHI10N50FI	10.00	35	2.50	9.50	633