BIPOLAR POWER TRANSISTORS AND DARLINGTONS FOR MONOCHROME DEFLECTION

I_C (A)	V_{CBO} (V)	V_{CEO} (V)	P_{tot} (W)	Package	Type NPN	h_{FE} @ min	I_C	V_{CE}	$V_{CE(sat)}$ max	I_C	I_B
							(A)	(V)	(V)	(A)	(A)
6	800	375	110	SOT 93	BU 326 P	5	2.5	1.5	1.5	2.5	0.5
6	800	375	114	SOT 93	BU 426	5	2.5	1.5	1.5	2.5	0.5
6	900	400	110	SOT 93	BU 326 AP	5	2.5	1.5	1.5	2.5	0.5
6	900	400	114	SOT 93	BU 426 A	5	2.5	1.5	1.5	2.5	0.5
7	330	150	60	TO 220	BU 407	10	5	1	1	5	0.5
7	330	150	60	TO 220	BU 407 D*	8	5	1	1	5	0.65
7	400	150	50	TO 220	BU 104 P	7	7	2	2	7	1
7	400	150	50	TO 220	BU 104 DP*	7	7	2	2	7	1
7	400	200	60	TO 220	BU 406	10	5	1	1	5	0.5
7	400	200	60	TO 220	BU 406 D*	8	5	1	1	5	0.5
7	400	200	60	TO 220	BU 408	10	5	1	1	6	1.2
7	400	200	60	TO 220	BU 408 D*	8	5	1	1	6	1.2
7	600	400	75	TO 220	BU 810**	100	2	2	2.5	4	0.2
8	330	150	60	TO 220	BU 807**	100	5	2	1.5	5	0.05
8	400	200	60	TO 220	BU 806**	100	5	2	1.5	5	0.05
10	330	120	50	TO 220	BU 109 P	7	7	2	2	7	1
10	330	120	50	TO 220	BU 109 DP*	7	7	2	2	7	1

* Transistors with integral damper diode.

** Fast switching monolithic Darlingtons with integral speed up and damper diodes.

POWER MOS TRANSISTORS

$V_{(BR)DSS}$ (V)	$R_{DS(on)}$ @ max (Ω)	I_D (A)	Package	Type	I_D max (A)	P_{tot} (W)	g_{fs} min (mho)	C_{lss} max (pF)
400	1	3	TO 220	IRF 730	5.5	74	2.9	800
400	0.55	5.2	TO 218	IRF 740	10	125	4	1600
400	0.55	5	TO 218	SGSP 475	10	150	6	2100
400	0.8	8	ISOWATT 218	IRFP 350 FI	10	70	8	3000
450	1.5	2.5	TO 220	SGSP 364	5	100	3	1000
450	0.7	4.5	TO 218	SGSP 474	9	150	6	2100
500	4	1.2	TO 220	BUZ 74 A	2	40	0.8	500
500	3.8	1.4	TO 220	SGSP 319	2.8	75	0.8	380
500	3	1.2	TO 220	BUZ 74	2.4	40	0.8	500
500	3	1.4	TO 220	IRF 820	2.5	50	1	400
500	3	1.4	ISOWATT 220	IRF 820 FI	2	30	1	400
500	2	2.5	TO 220	BUZ 42	4	75	1.5	2000
500	1.5	2.5	TO 220	BUZ 41 A	4.5	75	1.5	2000
500	1.5	2.5	TO 220	IRF 830	4.5	74	2.7	800
500	1.5	2.5	ISOWATT 220	IRF 830 FI	3	35	2.7	800
500	1.5	2.5	TO 220	SGSP 369	5	100	3	1000
600	0.85	4.4	TO 220	IRF 840	8	125	4.9	1600
500	0.85	4.4	ISOWATT 220	IRF 840 FI	4.5	40	4.9	1600
500	0.8	5.5	TO 218	BUZ 354	8	125	2.7	4900
500	0.8	5	TO 3	BUZ 45 A	8.3	125	2.7	4900
500	0.7	4.5	TO 218	SGSP 479	9	150	5	1900
500	0.6	5.5	TO 218	BUZ 353	9.5	125	2.7	4900
500	0.6	5	TO 3	BUZ 45	9.6	125	2.7	4900
500	0.4	7.9	TO 218	IRFP 450	14	180	9.3	3000
500	0.4	7.9	ISOWATT 218	IRFP 450 FI	9	70	9.3	3000
600	2.5	1.5	TO 220	MTP3N60	3	75	—	1000
600	2.5	1.5	ISOWATT 220	MTP3N60 FI	2.5	35	1.5	1000
600	1.2	3	ISOWATT 218	MTH6N60 FI	3.5	40	3	1800
600	1.2	3	TO 220	MTP6N60	6	125	2	1800
800	2	2	TO 218	STHV 82	5.5	125	2	1000
1000	3.5	2	TO 218	STHV 102	4.2	125	2	1200

POWER MOS

$V_{(BR)\ DSS}$ (V)	$R_{DS\ (on)}$ max (Ω)	@ I_D (A)	Package	Type	I_D max (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)
450	1.5	2.5	TO 220	IRF831	4.5	74	2.7	800
450	1.5	2.5	ISOWATT 220	IRF831FI	3	35	2.7	800
450	1.5	2.5	TO 220	SGSP364	5	100	3	1000
450	1.1	4.4	TO 220	IRF843	7	125	4.9	1600
450	1.1	4.4	ISOWATT 220	IRF843FI	4	40	4.9	1600
450	0.85	4.4	TO 220	IRF841	8	125	4.9	1600
450	0.85	4.4	ISOWATT 220	IRF841FI	4.5	40	4.9	1600
450	0.7	4.5	TO 218	SGSP474	9	150	6*	2100
450	0.7	4.5	TO 3	SGSP574	9	150	6	2100
450	0.5	7	TO 3	IRF453	11	150	8.7	3000
450	0.5	7.9	TO 218	IRFP453	12	180	9.3	3000
450	0.5	7.9	ISOWATT 218	IRFP453FI	8	70	9.3	3000
450	0.4	7.2	TO 3	IRF451	13	150	8.7	3000
450	0.4	7.9	TO 218	IRFP451	14	180	9.3	3000
450	0.4	7.9	ISOWATT 218	IRFP451FI	9	70	9.3	3000
450	0.1	28	ISOTOP	TSD4M451V	45	500	28	12000
500	8.5	0.6	SOT 82	SGSP239*	1.2	40	0.65	300
500	4	1.2	TO 220	BUZ74A	2	40	0.8	500
500	4	1.4	TO 220	IRF822	2.2	50	1	400
500	4	1.4	ISOWATT 220	IRF822FI	1.5	30	1	400
500	3.8	1.4	TO 220	SGSP319	2.8	75	0.8	380
500	3	1.2	TO 220	BUZ74	2.4	40	0.8	500
500	3	1.4	TO 220	IRF820	2.5	50	1	400
500	3	1.4	ISOWATT 220	IRF820FI	2	30	1	400
500	2	2.5	TO 220	BUZ42	4	75	1.5	2000
500	2	2.5	TO 220	IRF832	4	74	2.7	800
500	2	2.5	ISOWATT 220	IRF832FI	2.5	35	2.7	800
500	1.5	2.5	TO 220	BUZ41A	4.5	75	1.5	2000
500	1.5	2.5	TO 220	IRF830	4.5	74	2.7	800
500	1.5	2.5	ISOWATT 220	IRF830FI	3	35	2.7	800
500	1.5	2.5	TO 220	SGSP369	5	100	3	1000
500	1.1	4.4	TO 220	IRF842	7	125	4.9	1600
500	1.1	4.4	ISOWATT 220	IRF842FI	4	40	4.9*	1600
500	0.85	4.4	TO 220	IRF 840	8	125	4.9	1600
500	0.85	4.4	ISOWATT 220	IRF840FI	4.5	40	4.9	1600
500	0.8	5.5	TO 218	BUZ354	8	125	2.7	4900
500	0.8	5	TO 3	BUZ45A	8.3	125	2.7	4900
500	0.7	4.5	TO 218	SGSP479	9	150	5	1900
500	0.7	4.5	TO 3	SGSP579	9	150	5	1900
500	0.6	5.5	TO 218	BUZ353	9.5	125	2.7	4900
500	0.6	5	TO 3	BUZ45	9.6	125	2.7	4900
500	0.5	7.2	TO 3	IRF452	11	150	8.7	3000
500	0.5	7.9	TO 218	IRFP452	12	180	9.3	3000
500	0.5	7.9	ISOWATT 218	IRFP452FI	8	70	9.3	3000
500	0.4	7.2	TO 3	IRF450	13	150	8.7	3000
500	0.4	7.9	TO 218	IRFP450	14	180	9.3	3000
500	0.4	7.9	ISOWATT 218	IRFP450FI	9	70	9.3	3000
500	0.2	15	TO 240	SGS30MA050D1	30	400	15	9100
500	0.16	17.5	TO 240	SGS35MA050D1	35	400	15	12000
500	0.1	28	ISOTOP	TSD4M450V	45	500	28	12000
600	2.5	1.5	TO 220	MTP3N60	3	75	1.5	1000
600	2.5	1.5	ISOWATT 220	MTP3N60FI	2.5	35	1.5	1000
600	1.2	3	ISOWATT 218	MTH6N60FI	3.5	40	2	1800
600	1.2	3	TO 220	MTP6N60	6	125	2	1800
800	2	2	TO 218	STHV82	5.5	125	2	1000
1000	3.5	2	TO 218	STHV102	4.2	125	2	1200
1000	0.7	9	ISOTOP	TSD5MG40V	17	500	5	6000

* Also available in SOT 194 package for SMD.

HIMOS (IGBT)

$V_{(BR)\ DSS}$ (V)	$V_{DS\ (on)}$ max (Ω)	@ I_D (A)	Package	Type	I_D max (A)	P_{tot} (W)	g_{fs} min (mho)	C_{iss} max (pF)
500	2.7	7	TO 220	STHI07N50FI	7	100	2.5	950
500	2.7	7	ISOWATT 220	STHI07N50	7	35	2.5	950
500	2.7	10	TO 220	STHI10N50	10	100	2.5	950
500	2.7	10	ISOWATT 220	STHI10N50FI	10	35	2.5	950