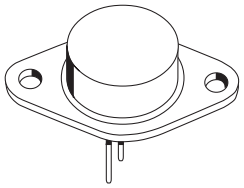
Power Transistors

TO-3 Case

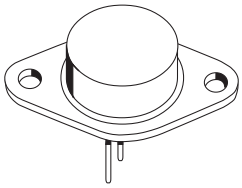


TYPE NO.		I_C	P_D	BV_{CBO}	BV_{CEO}	h_{FE}		@ I_C	$V_{CE(SAT)}$	@ I_C	f_T
NPN	PNP	(A) MAX	(W)	(V) MIN	(V) MIN	MIN	MAX	(A)	(V) MAX	(A)	(MHz) MIN
2N3055	MJ2955	15	115	100	60	5.0	- -	10	3.0	10	2.5
2N3442		10	117	160	140	20	70	3.0	5.0	10	- -
2N3713	2N3789	10	150	80	60	15	- -	3.0	1.0	5.0	4.0
2N3714	2N3790	10	150	100	80	15	- -	3.0	1.0	5.0	4.0
2N3715	2N3791	10	150	80	60	30	- -	3.0	1.0	5.0	4.0
2N3716	2N3792	10	150	100	80	30	- -	3.0	1.0	5.0	4.0
2N3771		30	150	50	40	15	60	15	2.0	15	- -
2N3772		20	150	100	60	15	60	10	1.4	10	- -
2N3773	2N6609	16	150	160	140	15	60	8.0	4.0	16	- -
2N4913	2N4904	5.0	87.5	40	40	7.0	- -	5.0	1.5	5.0	4.0
2N4914	2N4905	5.0	87.5	60	60	7.0	- -	5.0	1.5	5.0	4.0
2N4915	2N4906	5.0	87.5	80	80	7.0	- -	5.0	1.5	5.0	4.0
2N5067	2N4901	5.0	87.5	40	40	7.0	- -	5.0	1.5	5.0	4.0
2N5068	2N4902	5.0	87.5	60	60	7.0	- -	5.0	1.5	5.0	4.0
2N5069	2N4903	5.0	87.5	80	80	7.0	- -	5.0	1.5	5.0	4.0
2N5301	2N4398	30	200	40	40	15	60	15	4.0	30	4.0
2N5302	2N4399	30	200	60	60	15	60	15	4.0	30	4.0
2N5303	2N5745	20	200	80	80	15	60	10	2.0	20	2.0
2N5629	2N6029	16	200	100	100	25	100	8.0	2.0	16	1.0
2N5632	2N6229	10	150	100	100	25	100	5.0	2.0	10	1.0
2N5877	2N5875	10	150	60	60	4.0	- -	10	3.0	10	4.0
2N5878	2N5876	10	150	80	80	4.0	- -	10	3.0	10	4.0
2N5881	2N5879	15	160	60	60	4.0	- -	15	4.0	15	4.0
2N5882	2N5880	15	160	80	80	4.0	- -	15	4.0	15	4.0
2N5885	2N5883	25	200	60	60	20	100	10	4.0	25	4.0
2N5886	2N5884	25	200	80	80	20	100	10	4.0	25	4.0
2N6055	2N6053	8.0	100	60	60	750	18,000	4.0	3.0	8.0	4.0
2N6056	2N6054	8.0	100	80	80	750	18,000	4.0	3.0	8.0	4.0
2N6057	2N6050	12	150	60	60	750	18,000	6.0	3.0	12	4.0
2N6058	2N6051	12	150	80	80	750	18,000	6.0	3.0	12	4.0
2N6059	2N6052	12	150	100	100	750	18,000	6.0	3.0	12	4.0
	2N6246	15	125	70	60	20	100	7.0	2.5	15	4.0
	2N6247	15	125	90	80	20	100	6.0	3.5	15	4.0

Shaded areas indicate Darlington.

Power Transistors

TO-3 Case (Continued)



TYPE NO.		I_C	P_D	BV_{CBO}	BV_{CEO}	h_{FE}		@ I_C	$V_{CE(SAT)}$	@ I_C	f_T
NPN	PNP	(A) MAX	(W)	(V) MIN	(V) MIN	MIN	MAX	(A)	(V) MAX	(A)	(MHz) MIN
	2N6248	10	125	110	100	20	100	5.0	3.5	10	4.0
2N6249		10	175	300	200	10	50	10	1.5	10	2.5
2N6250		10	175	375	275	8.0	50	10	1.5	10	2.5
2N6251		10	175	450	350	6.0	50	10	1.5	10	2.5
2N6253		15	115	55	45	20	70	3.0	4.0	15	4.0
2N6254		15	150	100	80	20	70	5.0	4.0	15	- -
2N6282	2N6285	20	160	60	60	750	18,000	10	3.0	20	4.0
2N6283	2N6286	20	160	80	80	750	18,000	10	3.0	20	4.0
2N6284	2N6287	20	160	100	100	750	18,000	10	3.0	20	4.0
2N6306		8.0	125	500	250	15	75	8.0	5.0	8.0	5.0
2N6307		8.0	125	600	300	15	75	8.0	5.0	8.0	5.0
2N6308		8.0	125	700	350	12	60	8.0	5.0	8.0	5.0
2N6371		15	117	50	40	15	60	8.0	4.0	16	4.0
2N6383	2N6648	10	100	40	40	1,000	20,000	5.0	3.0	10	6.0
2N6384	2N6649	10	100	60	60	1,000	20,000	5.0	3.0	10	6.0
		10	100	80	80	1,000	20,000	5.0	3.0	10	6.0
	2N6469	15	125	50	40	20	150	5.0	3.5	15	4.0
2N6470		15	125	50	40	20	150	5.0	3.5	15	4.0
2N6471		15	125	70	60	20	150	5.0	3.5	15	4.0
2N6472		15	125	90	80	20	150	5.0	3.5	15	4.0
2N6542		5.0	100	650	300	7.0	35	3.0	1.0	3.0	6.0
2N6543		5.0	100	850	400	7.0	35	3.0	1.0	3.0	6.0
2N6544		8.0	125	650	300	7.0	35	5.0	1.5	8.0	6.0
2N6545		8.0	125	850	400	7.0	35	5.0	1.5	5.0	6.0
2N6546		15	175	650	300	12	60	5.0	1.5	10	6.0
2N6547		15	175	850	400	12	60	5.0	1.5	10	6.0
2N6569	2N6594	12	100	45	40	15	200	4.0	1.5	4.0	2.5
2N6576		15	120	60	60	2,000	20,000	4.0	4.0	15	6.0
2N6577		15	120	90	90	2,000	20,000	4.0	4.0	15	6.0
2N6578		15	120	120	120	2,000	20,000	4.0	4.0	15	6.0
2N6671		8.0	150	350	300	10	40	- -	2.0	8.0	15
2N6672		8.0	150	400	350	10	40	- -	2.0	8.0	15
2N6673		8.0	150	450	400	10	40	- -	2.0	8.0	15

Shaded areas indicate Darlington.

(6-December 2004)

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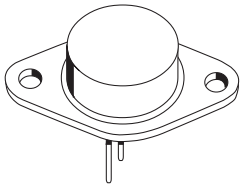
Power Transistors

TO-3 Case (Continued)

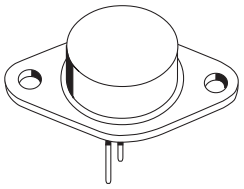


TYPE NO.		I_C	P_D	BV_{CBO}	BV_{CEO}	h_{FE} *TYP		@ I_C	$V_{CE(SAT)}$	@ I_C	f_T *TYP
NPN	PNP	(A) MAX	(W)	(V) MIN	(V) MIN	MIN	MAX	(A)	(V) MAX	(A)	(MHz) MIN
2N6674		15	175	350	300	8.0	20	- -	5.0	15	15
2N6675		15	175	450	400	8.0	20	- -	5.0	15	15
BDW51	**BDW52**	15	125	45	45	20	150	5.0	3.0	10	3.0
BDW51A	**BDW52A**	15	125	60	60	20	150	5.0	3.0	10	3.0
BDW51B	**BDW52B**	15	125	80	80	20	150	5.0	3.0	10	3.0
BDW51C	**BDW52C**	15	125	100	100	20	150	5.0	3.0	10	3.0
BDX85	**BDX86**	10	100	45	45	750	18,000	4.0	4.0	8.0	10*
BDX85A	**BDX86A**	10	100	60	60	750	18,000	4.0	4.0	8.0	10*
BDX85B	**BDX86B**	10	100	80	80	750	18,000	4.0	4.0	8.0	10*
BDX85C	**BDX86C**	10	100	100	100	750	18,000	4.0	4.0	8.0	10*
BDX87	**BDX88**	12	120	40	40	750	18,000	6.0	3.0	12	20*
BDX87A	**BDX88A**	12	120	60	60	750	18,000	6.0	3.0	12	20*
BDX87B	**BDX88B**	12	120	80	80	750	18,000	6.0	3.0	12	20*
BDX87C	**BDX88C**	12	120	100	100	750	18,000	6.0	3.0	12	20*
BU208		8.0	150	1,500	700	- -	- -	- -	5.0	4.5	7.0*
BU208A		8.0	150	1,500	700	- -	- -	- -	1.0	4.5	7.0*
BUW34		10	125	500	400	- -	- -	- -	1.5	5.0	- -
BUW35		10	125	800	400	- -	- -	- -	1.5	5.0	- -
BUW36		10	125	900	450	- -	- -	- -	1.5	5.0	- -
BUW44		15	175	500	400	- -	- -	- -	3.0	10	- -
BUW45		15	175	800	400	- -	- -	- -	1.5	10	- -
BUW46		15	175	900	450	- -	- -	- -	1.5	10	- -
BUX11		20	150	250	200	20	60	6.0	1.5	12	8.0
BUX43		10	120	400	325	15	60	3.0	1.6	5.0	8.0
BUX44		8.0	120	450	400	15	45	2.0	2.0	4.0	8.0
BUX47		9.0	125	850	400	- -	- -	- -	3.0	9.0	- -
BUX48		15	175	850	400	- -	- -	- -	5.0	15	- -
BUX80		10	100	800	400	30*	- -	1.2	3.0	8.0	- -
BUY69A		10	100	1,000	400	15	- -	2.5	3.3	8.0	10*
BUY69B		10	100	800	325	15	- -	2.5	3.3	8.0	10*

Shaded areas indicate Darlington.

Power Transistors

TO-3 Case (Continued)



TYPE NO.		I_C	P_D	BV_{CBO} **BV_{CEV}	BV_{CEO}	h_{FE} @ I_C			$V_{CE(SAT)}$ @ I_C		f_T *TYP
NPN	PNP	(A) MAX	(W)	(V) MIN	(V) MIN	MIN	MAX	(A)	(V) MAX	(A)	(MHz) MIN
BUY69C		10	100	500	200	15	- -	2.5	3.3	8.0	10*
MJ802	**MJ4502**	30	200	100	90	25	100	7.5	0.8	7.5	2.0
MJ1000	**MJ 900**	8.0	90	60	60	1,000	- -	3.0	4.0	8.0	6.0
MJ1001	**MJ 901**	8.0	90	80	80	1,000	- -	3.0	4.0	8.0	6.0
MJ3000	**MJ2500**	10	150	60	60	1,000	- -	5.0	4.0	10	- -
MJ3001	**MJ2501**	10	150	80	80	1,000	- -	5.0	4.0	10	- -
MJ4033	**MJ4030**	16	150	60	60	1,000	- -	10	4.0	16	- -
MJ4034	**MJ4031**	16	150	80	80	1,000	- -	10	4.0	16	- -
MJ4035	**MJ4032**	16	150	100	100	1,000	- -	10	4.0	16	- -
	MJ6503	8.0	125	450**	400	15	- -	2.0	5.0	8.0	- -
MJ10012		10	175	600	400	100	2,000	6.0	2.5	10	- -
MJ10023†		40	250	600**	400	50	600	10	5.0	40	- -
MJ11012	**MJ11011**	30	200	60	60	1,000	- -	20	4.0	30	4.0
MJ11014	**MJ11013**	30	200	90	90	1,000	- -	20	4.0	30	4.0
MJ11016	**MJ11015**	30	200	120	120	1,000	- -	20	4.0	30	4.0
PMD10K40	**PMD11K40**	12	150	40	40	800	20,000	6.0	2.0	12	4.0
PMD10K60	**PMD11K60**	12	150	60	60	800	20,000	6.0	2.0	6.0	4.0
PMD10K80	**PMD11K80**	12	150	80	80	800	20,000	6.0	2.0	6.0	4.0
PMD10K100	**PMD11K100**	12	150	100	100	800	20,000	6.0	2.0	6.0	4.0
PMD12K40	**PMD13K40**	8.0	100	40	40	800	20,000	4.0	2.0	4.0	4.0
PMD12K60	**PMD13K60**	8.0	100	60	60	800	20,000	4.0	2.0	4.0	4.0
PMD12K80	**PMD13K80**	8.0	100	80	80	800	20,000	4.0	2.0	4.0	4.0
PMD12K100	**PMD13K100**	8.0	100	100	100	800	20,000	4.0	2.0	4.0	4.0
PMD1601K	**PMD1701K**	20	180	60	60	750	20,000	10	2.0	10	4.0
PMD1602K	**PMD1702K**	20	180	80	80	750	20,000	10	2.0	10	4.0
PMD1603K	**PMD1703K**	20	180	100	100	750	20,000	10	2.0	10	4.0
PMD16K60	**PMD17K60**	20	200	60	60	800	20,000	10	2.0	10	4.0
PMD16K80	**PMD17K80**	20	200	80	80	800	20,000	10	2.0	10	4.0
PMD16K100	**PMD17K100**	20	200	100	100	800	20,000	10	2.0	10	4.0
PMD18K60	**PMD19K60**	30	225	60	60	800	20,000	15	2.0	15	4.0
PMD18K80	**PMD19K80**	30	225	80	80	800	20,000	15	2.0	15	4.0
PMD18K100	**PMD19K100**	30	225	100	100	800	20,000	15	2.0	15	4.0
SE9303	**SE9403**	10	100	60	60	1,000	- -	7.5	2.5	7.5	1.0
SE9304	**SE9404**	10	100	80	80	1,000	- -	7.5	2.5	7.5	1.0
SE9305	**SE9405**	10	100	100	100	1,000	- -	7.5	2.5	7.5	1.0

Shaded areas indicate Darlington.
† Uses 60 mil leads.
See mechanical specifications on page 209