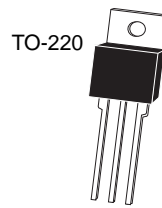
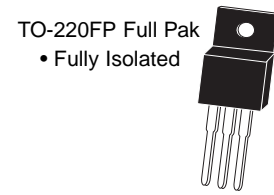


Power Transistors

TO-220 Case



Standard



TO-220FP Full Pak
• Fully Isolated

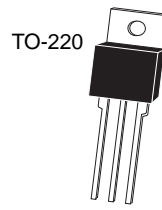
Optional

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
2N5294		4.0	36	80	70	30	120	0.5	1.0	0.5	0.8
2N5296		4.0	36	60	40	30	120	1.0	1.0	1.0	0.8
2N5298		4.0	36	80	60	20	80	1.5	1.0	1.5	0.8
2N5490		7.0	50	60	40	20	100	2.0	1.0	2.0	0.8
2N5492		7.0	50	75	55	20	100	2.5	1.0	2.5	0.8
2N5494		7.0	50	60	40	20	100	3.0	1.0	3.0	0.8
2N5496		7.0	50	90	70	20	100	3.5	1.0	3.5	0.8
2N6043	2N6040	10	75	60	60	1,000	20,000	4.0	2.0	4.0	4.0
2N6044	2N6041	10	75	80	80	1,000	20,000	4.0	2.0	4.0	4.0
2N6045	2N6042	10	75	100	100	1,000	20,000	3.0	2.0	3.0	4.0
2N6099		10	75	70	60	20	80	4.0	2.5	10	5.0
2N6101		10	75	80	70	20	80	5.0	2.5	10	5.0
2N6103		16	75	45	40	15	80	8.0	2.5	16	5.0
2N6121	2N6124	4.0	40	45	45	25	100	1.5	0.6	1.5	2.5
2N6122	2N6125	4.0	40	60	60	25	100	1.5	0.6	1.5	2.5
2N6123	2N6126	4.0	40	80	80	20	80	1.5	0.6	1.5	2.5
2N6129	2N6132	7.0	50	40	40	20	100	2.5	1.4	7.0	2.5
2N6130	2N6133	7.0	50	60	60	20	100	2.5	1.4	7.0	2.5
2N6131	2N6134	7.0	50	80	80	20	100	2.5	1.8	7.0	2.5
2N6288	2N6111	7.0	40	40	30	30	150	2.0	3.5	7.0	4.0
2N6290	2N6109	7.0	40	60	50	30	150	2.5	3.5	7.0	4.0
2N6292	2N6107	7.0	40	80	70	30	150	3.0	3.5	7.0	4.0
2N6386	2N6666	8.0	65	40	40	1,000	20,000	3.0	2.0	3.0	20
2N6387	2N6667	10	65	60	60	1,000	20,000	5.0	2.0	5.0	20
2N6388	2N6668	10	65	80	80	1,000	20,000	5.0	2.0	5.0	20
2N6473	2N6475	4.0	40	110	100	15	150	1.5	1.2	1.5	4.0
2N6474	2N6476	4.0	40	130	120	15	150	1.5	1.2	1.5	4.0
2N6486	2N6489	15	75	50	40	20	150	5.0	1.3	5.0	5.0
2N6487	2N6490	15	75	70	60	20	150	5.0	1.3	5.0	5.0
2N6488	2N6491	15	75	90	80	20	150	5.0	1.3	5.0	5.0

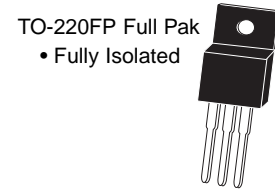
Shaded areas indicate Darlington.

Power Transistors

TO-220 Case (Continued)



Standard



TO-220FP Full Pak
• Fully Isolated

Optional

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
2N6497		5.0	80	350	250	10	75	2.5	5.0	5.0	5.0
2N6498		5.0	80	400	300	10	75	2.5	5.0	5.0	5.0
2N6499		5.0	80	450	350	10	75	2.5	5.0	5.0	5.0
2N6530		8.0	65	80	80	1,000	10,000	5.0	3.0	8.0	20
2N6531		8.0	65	100	100	500	10,000	3.0	3.0	8.0	20
2N6532		8.0	65	100	100	1,000	10,000	5.0	3.0	8.0	20
2N6533		8.0	65	120	120	1,000	10,000	3.0	3.0	8.0	20
BU406		7.0	60	400	200	--	--	--	1.0	5.0	10
BU406D		7.0	60	400	200	--	--	--	1.0	5.0	10
BU407		7.0	60	330	150	--	--	--	1.0	5.0	10
BU407D		7.0	60	330	150	--	--	--	1.0	5.0	10
BU408		7.0	60	400	200	--	--	--	1.0	6.0	10
BU408D		7.0	60	400	200	--	--	--	1.0	6.0	10
BU806		8.0	60	400	200	--	--	--	1.5	5.0	--
BU807		8.0	60	330	150	--	--	--	1.5	5.0	--
D44C11		4.0	30	80	80	20	--	2.0	0.5	1.0	50
D44H11	D45H11	10	50	80	80	40	--	1.0	1.0	8.0	40
MJE800T	MJE700T	4.0	50	60	60	750	--	1.5	2.5	1.5	1.0
MJE801T	MJE701T	4.0	50	60	60	750	--	2.0	2.8	2.0	1.0
MJE802T	MJE702T	4.0	50	80	80	750	--	1.5	2.5	1.5	1.0
MJE803T	MJE703T	4.0	50	80	80	750	--	2.0	2.8	2.0	1.0
MJE2801T	MJE2901T	10	75	60	60	25	100	3.0	--	--	--
MJE3055T	MJE2955T	10	75	70	60	20	100	4.0	1.1	4.0	2.0
MJE13004		4.0	75	600	300	8.0	40	2.0	0.5	1.0	4.0
MJE13005		4.0	75	700	400	8.0	40	2.0	0.5	1.0	4.0
MJE13006		8.0	80	600	300	5.0	30	5.0	1.0	2.0	4.0
MJE13007		8.0	80	700	400	5.0	30	5.0	1.0	2.0	4.0
MJE13007A		8.0	80	850	400	5.0	30	5.0	3.0	8.0	4.0
MJE13008		12	100	600	300	6.0	30	8.0	1.0	5.0	4.0
MJE13009		12	100	700	400	6.0	30	8.0	1.0	5.0	4.0

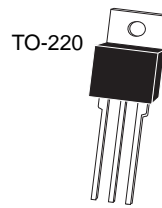
Shaded areas indicate Darlington.

(6-December 2004)

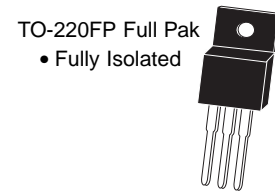
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Power Transistors

TO-220 Case (Continued)



Standard



TO-220FP Full Pak
• Fully Isolated

Optional

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
SE9300	SE9400	10	70	60	60	1,000	--	4.0	2.0	4.0	1.0
SE9301	SE9401	10	70	80	80	1,000	--	4.0	2.0	4.0	1.0
SE9302	SE9402	10	70	100	100	1,000	--	4.0	2.0	4.0	1.0
TIP29	TIP30	1.0	30	40	40	15	75	1.0	0.7	1.0	3.0
TIP29A	TIP30A	1.0	30	60	60	15	75	1.0	0.7	1.0	3.0
TIP29B	TIP30B	1.0	30	80	80	15	75	1.0	0.7	1.0	3.0
TIP29C	TIP30C	1.0	30	100	100	15	75	1.0	0.7	1.0	3.0
TIP31	TIP32	3.0	40	40	40	10	50	3.0	1.2	3.0	3.0
TIP31A	TIP32A	3.0	40	60	60	10	50	3.0	1.2	3.0	3.0
TIP31B	TIP32B	3.0	40	80	80	10	50	3.0	1.2	3.0	3.0
TIP31C	TIP32C	3.0	40	100	100	10	50	3.0	1.2	3.0	3.0
TIP41	TIP42	6.0	65	40	40	15	75	3.0	1.5	6.0	3.0
TIP41A	TIP42A	6.0	65	60	60	15	75	3.0	1.5	6.0	3.0
TIP41B	TIP42B	6.0	65	80	80	15	75	3.0	1.5	6.0	3.0
TIP41C	TIP42C	6.0	65	100	100	15	75	3.0	1.5	6.0	3.0
TIP47		1.0	40	350	250	30	150	0.3	1.0	1.0	10
TIP48		1.0	40	400	300	30	150	0.3	1.0	1.0	10
TIP49		1.0	40	450	350	30	150	0.3	1.0	1.0	10
TIP50		1.0	40	500	400	30	150	0.3	1.0	1.0	10
TIP100	TIP105	8.0	80	60	60	1,000	20,000	3.0	2.0	3.0	4.0
TIP101	TIP106	8.0	80	80	80	1,000	20,000	3.0	2.0	3.0	4.0
TIP102	TIP107	8.0	80	100	100	1,000	20,000	3.0	2.0	3.0	4.0
TIP110	TIP115	2.0	50	60	60	500	--	2.0	2.5	2.0	25
TIP111	TIP116	2.0	50	80	80	500	--	2.0	2.5	2.0	25
TIP112	TIP117	2.0	50	100	100	500	--	2.0	2.5	2.0	25
TIP120	TIP125	5.0	65	60	60	1,000	--	3.0	2.0	3.0	4.0
TIP121	TIP126	5.0	65	80	80	1,000	--	3.0	2.0	3.0	4.0
TIP122	TIP127	5.0	65	100	100	1,000	--	3.0	2.0	3.0	4.0
TIP130	TIP135	8.0	70	60	60	1,000	15,000	4.0	2.0	4.0	--
TIP131	TIP136	8.0	70	80	80	1,000	15,000	4.0	2.0	4.0	--
TIP132	TIP137	8.0	70	100	100	1,000	15,000	4.0	2.0	4.0	--

Shaded areas indicate Darlingtons.