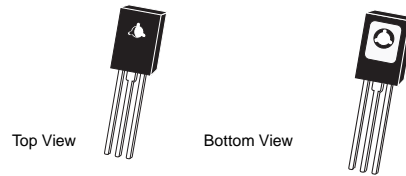


# Power Transistors

## TO-126 Case



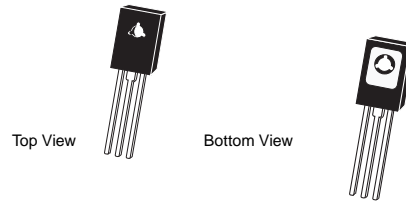
TYPE NO.		$I_C$ (A)	$P_D$ (W)	$V_{CBO}$ (V)	$V_{CEO}$ (V)	$h_{FE}$		@ $I_C$ (mA)	$V_{CE(SAT)}$ (V)	@ $I_C$ (A)	$f_T$ (MHz)
NPN	PNP	MAX		MIN	MIN	MIN	MAX		MAX		MIN
2N4921	2N4918	1.0	30	40	40	30	150	500	0.6	1.0	3.0
2N4922	2N4919	1.0	30	60	60	30	150	500	0.6	1.0	3.0
2N4923	2N4920	1.0	30	80	80	30	150	500	0.6	1.0	3.0
2N5190	2N5193	4.0	40	40	40	25	100	1,500	0.6	1.5	2.0
2N5191	2N5194	4.0	40	60	60	25	100	1,500	0.6	1.5	2.0
2N5192	2N5195	4.0	40	80	80	20	80	1,500	0.6	1.5	2.0
2N5655		0.5	20	275	250	30	250	100	1.0	0.1	10
2N5656		0.5	20	325	300	30	250	100	1.0	0.1	10
2N5657		0.5	20	375	350	30	250	100	1.0	0.1	10
2N6037	2N6034	4.0	40	40	40	750	15,000	2,000	2.0	2.0	25
2N6038	2N6035	4.0	40	60	60	750	15,000	2,000	2.0	2.0	25
2N6039	2N6036	4.0	40	80	80	750	15,000	2,000	2.0	2.0	25
BD135	BD136	1.5	12.5	45	45	63	250	150	0.5	0.5	--
BD137	BD138	1.5	12.5	60	60	63	250	150	0.5	0.5	--
BD139	BD140	1.5	12.5	100	80	63	250	150	0.5	0.5	--
BD175	BD176	3.0	30	45	45	40	--	150	0.8	1.0	3.0
BD177	BD178	3.0	30	60	60	40	--	150	0.8	1.0	3.0
BD179	BD180	3.0	30	80	80	40	--	150	0.8	1.0	3.0
BD233	BD234	2.0	25	45	45	40	--	150	0.6	1.0	3.0
BD235	BD236	2.0	25	60	60	40	--	150	0.6	1.0	3.0
BD237	BD238	2.0	25	80	80	40	--	150	0.6	1.0	3.0
BD433	BD434	4.0	36	22	22	40	--	10	0.5	2.0	3.0
BD435	BD436	4.0	36	32	32	40	--	10	0.5	2.0	3.0
BD437	BD438	4.0	36	45	45	30	--	10	0.6	2.0	3.0
BD439	BD440	4.0	36	60	60	20	--	10	0.8	2.0	3.0
BD441	BD442	4.0	36	80	80	15	--	10	0.8	2.0	3.0
BD675	BD676	4.0	40	45	45	750	--	1.5	2.5	1.5	1.0
BD675A	BD676A	4.0	40	45	45	750	--	2.0	2.8	2.0	1.0
BD677	BD678	4.0	40	60	60	750	--	1.5	2.5	1.5	1.0
BD677A	BD678A	4.0	40	60	60	750	--	2.0	2.8	2.0	1.0
BD679	BD680	4.0	40	80	80	750	--	1.5	2.5	1.5	1.0
BD679A	BD680A	4.0	40	80	80	750	--	2.0	2.8	2.0	1.0
BD681	BD682	4.0	40	100	100	750	--	1.5	2.5	1.5	1.0
BD683	BD684	4.0	40	120	120	750	--	1.5	2.5	1.5	1.0
BF469	BF470	0.05	1.25	250	250	50	--	0.025	0.6	0.03	60
BF471	BF472	0.05	1.25	300	300	50	--	0.025	0.6	0.03	60

Shaded areas indicate Darlington.

(6-December 2004)

# Power Transistors

## TO-126 Case (Continued)



TYPE NO.		I <sub>C</sub> (A)	P <sub>D</sub> (W)	BV <sub>CBO</sub> (V)	BV <sub>CEO</sub> (V)	h <sub>FE</sub>		@ I <sub>C</sub> (mA)	V <sub>CE(SAT)</sub> (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> (MHz)
NPN	PNP					MIN	MAX				
MJE180	MJE170	3.0	15	60	40	50	250	100	0.3	0.5	50
MJE181	MJE171	3.0	15	80	60	50	250	100	0.3	0.5	50
MJE182	MJE172	3.0	15	100	80	50	250	100	0.3	0.5	50
MJE200	MJE210	5.0	15	40	25	45	180	2,000	0.3	0.5	65
MJE220	MJE230	4.0	15	60	40	40	200	200	0.3	0.5	50
MJE221	MJE231	4.0	15	60	40	40	150	200	0.3	0.5	50
MJE222	MJE232	4.0	15	60	40	25	--	200	0.3	0.5	50
MJE223	MJE233	4.0	15	80	60	40	200	200	0.3	0.5	50
MJE224	MJE234	4.0	15	80	60	40	150	200	0.3	0.5	50
MJE225	MJE235	4.0	15	80	60	25	--	200	0.3	0.5	50
MJE240	MJE250	4.0	15	80	80	40	200	200	0.3	0.5	40
MJE241	MJE251	4.0	15	80	80	40	120	200	0.3	0.5	40
MJE242	MJE252	4.0	15	80	80	25	--	200	0.3	0.5	40
MJE243	MJE253	4.0	15	100	100	40	120	200	0.3	0.5	40
MJE244	MJE254	4.0	15	100	100	25	--	200	0.3	0.5	40
MJE340	MJE350	0.5	20	300	300	30	240	50	--	--	--
MJE341		0.5	20	175	150	25	200	50	2.3	0.15	15
MJE344		0.5	20	200	200	30	300	50	1.0	0.05	15
MJE520	MJE370	3.0	25	30	30	25	--	1,000	--	--	--
MJE521	MJE371	4.0	40	40	40	40	--	1,000	--	--	--
MJE720	MJE710	1.5	20	40	40	40	--	150	1.0	1.5	--
MJE721	MJE711	1.5	20	60	60	40	--	150	1.0	1.5	--
MJE722	MJE712	1.5	20	80	80	40	--	150	1.0	1.5	--
MJE800	MJE700	4.0	40	60	60	750	--	1,500	2.5	1.5	1.0
MJE801	MJE701	4.0	40	60	60	750	--	2,000	2.8	2.0	1.0
MJE802	MJE702	4.0	40	80	80	750	--	1,500	2.5	1.5	1.0
MJE803	MJE703	4.0	40	80	80	750	--	2,000	2.8	2.0	1.0
MJE3439		0.3	15	450	350	50	200	20	0.5	0.1	15
MJE3440		0.3	15	350	250	50	200	20	0.5	0.1	15