

TO-126 Type Power Transistor Selection Guide

Part Number		I _C (A)	V _{CEO} (V)	h _{FE}		@		Max V _{CE(SAT)}		P _D (W)	f _T (MHz)	Process (NPN/PNP)
NPN	PNP			Min	Max	I _C (A)	V _{CE} (V)	(V)	@ I _C (A)			
MJE3440		0.3	250	40	160	0.02	10	0.5	0.05	15	15	36
MJE3439		0.3	350	40	160	0.02	10	0.5	0.05	15	15	36
MJE341		0.5	150	25	200	0.05	10	1	0.05	20	15	36
MJE344		0.5	200	30	300	0.05	10	1	0.05	30	15	36
2N5655		0.5	250	30	250	0.1	10	1	0.1	20	10	36
MJE340		0.5	300	30	240	0.05	10			20		36
2N5656		0.5	300	30	250	0.1	10	1	0.1	20	10	36
2N5657		0.5	350	30	250	0.1	10	1	0.1	20	10	36
2N4921	2N4918	1	40	20	100	0.5	1	0.6	1	30	3	4H/5F
2N4922	2N4919	1	60	20	100	0.5	1	0.6	1	30	3	4H/5F
2N4923	2N4920	1	80	20	100	0.5	1	0.6	1	30	3	4H/5F
MJE720	MJE710	1.5	40	40		0.15	1	0.15	0.15	20		37/77
BD345	BD344	1.5	60	40	250	0.2	1	0.4	0.2	20	50	38/78
MJE721	MJE711	1.5	60	40		0.15	1	0.15	0.15	20		38/78
BD349	BD348	1.5	80	50	250	0.25	1	0.5	0.25	20	50	39/79
MJE722	MJE712	1.5	80	40		0.15	1	0.15	0.15	20		39/79
MJE520	MJE370	3	30	25		1	1			25		4F/5F
MJE180	MJE170	3	40	50	250	0.1	1	0.3	0.5	12.5	50	37/77
MJE181	MJE171	3	60	50	250	0.1	1	0.3	0.5	12.5	50	38/78
MJE182	MJE172	3	80	50	250	0.1	1	0.3	0.5	12.5	50	39/79
MJE220	MJE230	4	40	20		2	1	0.8	2	15	50	4P/5P
MJE221	MJE231	4	40	20		1	1	0.6	1	15	50	4P/5P
MJE222	MJE232	4	40	25		1	1	0.3	0.5	15	50	4P/5P
MJE521	MJE371	4	40	40		0.1	1			40		4F/5F
2N5190	2N5193	4	40	25	100	1.5	2	0.6	1.5	40	2	4E/5E
2N6037	2N6034	4	40	750	15k	2	3	2	2	40		4J/5J
2N5191	2N5194	4	60	25	100	1.5	2	0.6	1.5	40	2	4E/5E
MJE223	MJE233	4	60	20		2	1	0.8	2	15	50	4P/5P
MJE224	MJE234	4	60	20		1	1	0.6	1	15	50	4P/5P
MJE225	MJE235	4	60	25		1	1	0.3	0.5	15	50	4P/5P
MJE800	MJE700	4	60	750		1.5	3	2.5	1.5	40		4J/5J
MJE801	MJE701	4	60	750		2	3	2.8	2	40		4J/5J
2N6038	2N6035	4	60	750	15k	2	3	2	2	40		4J/5J
MJE240	MJE250	4	80	15		2	1	0.8	2	15	40	4P/5P
MJE241	MJE251	4	80	20		1	1	0.6	1	15	40	4P/5P
MJE242	MJE252	4	80	10		1	1	0.3	0.5	15	40	4P/5P
MJE802	MJE702	4	80	750		1.5	3	2.5	1.5	40		4J/5J
MJE803	MJE703	4	80	750		2	3	2.8	2	40		4J/5J
2N5192	2N5195	4	80	20	80	1.5	2	0.6	1.5	40	2	4E/5E
2N6039	2N6036	4	80	750	15k	2	3	2	2	40		4J/5J
MJE243	MJE253	4	100	20		1	1	0.6	1	15	40	4P/5P
MJE244	MJE254	4	100	10		1	1	0.3	0.5	15	40	4P/5P
MJE200	MJE210	5	25	45	180	2	1	0.75	2	15	65	4R/5R

Pinout: ECB

PNP Transistors



DARLINGTON

Type No.	Case Style	VCBO (V) Min	VCE* VCEO (V) Min	VEBO (V) Min	ICES* ICEX† (μA) Max	@ VCB (V)	hFE			IC (A)	& VCE (V)	VCE(SAT) (V)		VBE(SAT) (V)	@ IC (A)	Cob (pF) Max	fT (MHz)		@ IC (A)	Process No.
							Min	Max				Max	& Min	Max			Min	Max		
D41K1	TO-202 (55)		30*	13	0.5	30	10,000 1000			0.2 1.5	5 5	1.5		2.5	1.5		100		0.02	61
D41K2	TO-202 (55)		50*	13	0.5	50	10,000 1000			0.2 1.5	5 5	1.5		2.5	1.5		100		0.02	61
D41K3	TO-202 (55)		30*	13	0.5	30	10,000 1000			0.2 1.5	5 5	1.5		2.5	1		100		0.02	61
D41K4	TO-202 (55)		50*	13	0.5	50	10,000 1000			0.2 1.5	5 5	1.5		2.5	1		100		0.02	61
MPSA62	TO-92 (92)		20*		0.1	15	20,000			10	5	1.0			10				0.01	61
MPSA63	TO-92 (92)		30*		0.1	30	10,000 5000			100 10	5 5	1.5			100		125		0.01	61
MPSA64	TO-92 (92)		30*		0.1	30	20,000 10,000			100 10	5 5	1.5			100		125		0.01	61
MPSA65	TO-92 (92)		30*		0.1	30	50,000 20,000			0.01 0.1	5 5	1.5					100		0.01	61
MPSA66	TO-92 (92)		30*		0.1	30	75,000 40,000			0.01 0.1	5 5	1.5					100		0.01	61
NSDU95	TO-202 (55)	50		10			25,000 15,000 4000			0.2 0.5 1	5 5 5	1.5			1		50		0.02	61
NSDU95A	TO-202 (55)	60		10			25,000 15,000 4000			0.2 0.5 1	5 5 5	1.5			1		50		0.02	61
2N6034	TO-126		40		500	40	100 750 500	15,000		4 2 0.05	3 3 3	2.0 3.0			2 4	200	25		0.75	5J
2N6035	TO-126		60		500	60	100 750 500	15,000		4 2 0.5	3 3 3	2.0 3.0			2 4	200	25		0.75	5J
2N6036	TO-126		80		500	80	100			4	3	2.0			2	200	25		0.75	5J
2N6040	TO-220		60		500†	60	1000 100	20,000		4 8	4 4	2.0			4	300				5J
2N6041	TO-220		80		500†	80	1000 100	20,000		4 8	4 4	2.0			4	300				5J
MJE700	TO-126		60		200	60	750			1.5	3	2.5			1.5		1		1.5	-5J
MJE701	TO-126		60		200	60	750	2		3	2.8				2		1		1.5	5J
MJE702	TO-126		80		200	80	750			1.5	3	2.5			1.5		1		1.5	5J
MJE703	TO-126		80		200	80	750			2	3	2.8			2		1		1.5	5J