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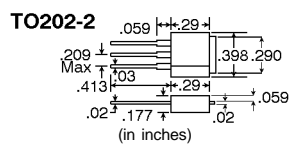
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Small Signal Darlington Transistors

Operating Temperature: -55°C to 150°C

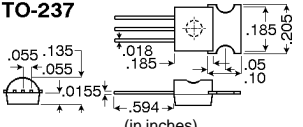
Part No. and Polarity		V <sub>CEO</sub>	I <sub>C</sub>	h <sub>FE</sub> @ V <sub>CE</sub> & I <sub>C</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>C</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>C</sub>				Package	Outline (Max. in mm or inches)
NPN	PNP			Min.	Max.	V <sub>CE</sub>	I <sub>C</sub>	Max.	Max.	I <sub>C</sub>	I <sub>B</sub>	Min.	Typ.				
		(V)	(A)			(V)	(mA)	(V)	(V)	(mA)	(mA)	(MHz)	(MHz)	(V)	(mA)		
D40C1	-	30	-	10K	60K	5	200	1.5	2	500	-	-	-	-	-		
D40C2	-	30	-	40K	-	5	200	1.5	2	500	-	-	-	-	-		
D40C3	-	30	-	90K	-	5	200	1.5	2	500	-	-	-	-	-		
D40C4	-	40	-	10K	60K	5	200	1.5	2	500	-	-	-	-	-		
D40C5	-	40	-	40K	-	5	200	1.5	2	500	-	-	-	-	-		
D40C7	-	50	-	10K	60K	5	200	1.5	2	500	-	-	-	-	-		
D40C8	-	50	-	40K	-	5	200	1.5	2	500	-	-	-	-	-		
D40K1	-	30	-	10K	-	5	-	-	-	-	-	-	-	-	-		
D40K2	-	50	-	10K	-	5	-	-	-	-	-	-	-	-	-		
D40K3	-	30	-	10K	-	5	-	-	-	-	-	-	-	-	-		
D40K4	-	50	-	10K	-	5	-	-	-	-	-	-	-	-	-		
2N6725	-	-	-	4K	40K	5	1000	1.0	-	200	-	100	-	-	200		

**TO202-2**



(in inches)

**TO-237**



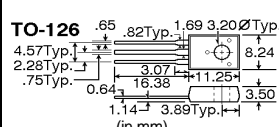
(in inches)

Power Transistors

Operating Temperature: -65°C to 150°C

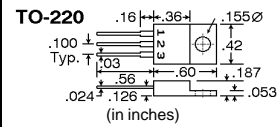
Part No. and Polarity		I <sub>C</sub>	V <sub>CEO</sub>	h <sub>FE</sub> @ V <sub>CE</sub> & I <sub>C</sub>				V <sub>CE(sat)</sub> @ I <sub>C</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>C</sub>				P <sub>C</sub>	Package	Outline (Max. in mm or inches)
NPN	PNP			Min.	Max.	V <sub>CE</sub>	I <sub>C</sub>	Max.				Min.	Typ.					
		(A)	(V)	(V)	(A)	(V)	(A)	(mA)	(mA)	(MHz)	(MHz)	(V)	(A)					
MJE340	MJE350	0.5	300	30	240	10	0.05	-	-	-	-	-	-	20.0				
KSE340	KSE350	0.5	300	30	240	10	0.05	-	-	-	-	-	-	20.0				
MJE180	MJE170	3.0	40	50	250	1	0.10	1.70	3	600	50	-	10.0	0.1				
KSE180	KSE170	3.0	40	50	250	1	0.10	1.70	3	600	50	-	10.0	0.1				
MJE181	MJE171	3.0	60	50	250	1	0.10	1.70	3	600	50	-	10.0	0.1				
KSE181	KSE171	3.0	60	50	250	1	0.10	1.70	3	600	50	-	10.0	0.1				
MJE182	MJE172	3.0	80	50	250	1	0.10	1.70	3	600	50	-	10.0	0.1				
KSE182	KSE172	3.0	80	50	250	1	0.10	1.70	3	600	50	-	10.0	0.1				
MJE200	MJE210	5.0	25	45	180	1	2.00	0.75	2	200	65	-	10.0	0.1				
-	KSE210	5.0	25	45	180	1	2.00	0.75	2	200	65	-	10.0	0.1				
TIP29	TIP30	1.0	40	15	75	4	1.00	0.70	1	125	3	-	10.0	0.2				
TIP29A	TIP30A	1.0	60	15	75	4	1.00	0.70	1	125	3	-	10.0	0.2				
TIP29B	TIP30B	1.0	80	15	75	4	1.00	0.70	1	125	3	-	10.0	0.2				
TIP29C	TIP30C	1.0	100	15	75	4	1.00	0.70	1	125	3	-	10.0	0.2				
TIP47	-	1.0	250	30	150	10	0.30	0.10	1	200	10	-	10.0	0.2				
TIP48	-	1.0	300	30	150	10	0.30	0.10	1	200	10	-	10.0	0.2				
TIP50	-	1.0	400	30	150	10	0.30	0.10	1	200	10	-	10.0	0.2				
TIP31	TIP32	3.0	40	10	50	4	3.00	1.20	3	375	3	-	10.0	0.5				
TIP31A	TIP32A	3.0	60	10	50	4	3.00	1.20	3	375	3	-	10.0	0.5				
TIP31B	TIP32B	3.0	80	10	50	4	3.00	1.20	3	375	3	-	10.0	0.5				
TIP31C	TIP32C	3.0	100	10	50	4	3.00	1.20	3	375	3	-	10.0	0.5				
TIP41	TIP42	6.0	40	15	75	4	3.00	1.50	6	600	3	-	1.0	0.5				
TIP41A	TIP42A	6.0	60	15	75	4	3.00	1.50	6	600	3	-	1.0	0.5				
TIP41B	TIP42B	6.0	80	15	75	4	3.00	1.50	6	600	3	-	1.0	0.5				
TIP41C	TIP42C	6.0	100	15	75	4	3.00	1.50	6	600	3	-	1.0	0.5				
MJE3055T	MJE2955T	10.0	60	20	100	4	4.00	1.10	4	400	2	-	10.0	0.5				
KSE3055T	KSE2955T	10.0	60	20	100	4	4.00	1.10	4	400	2	-	10.0	0.5				
D44H	D45H	10.0	80	60	-	1	2.00	1.00	8	400	-	40	10.0	0.5				
KSE44H	KSE45H	10.0	80	60	-	1	2.00	1.00	8	400	-	40	10.0	0.5				
KSH29I	KSH30I	1.0	40	15	75	4	1.00	0.80	1	125	-	3	10.0	0.2				
KSH29CI	KSH30CI	1.0	100	15	75	4	1.00	0.70	1	125	-	3	10.0	0.2				
KSH44H11	KSH45H11	8.0	80	60	-	1	2.00	1.00	8	400	-	50	10.0	0.5				
KSH3055I	KSH2955I	10.0	80	20	100	4	4.00	1.10	4	400	2	-	10.0	0.5				
MJH16004	-	5	450	7	-	-	5	-	-	-	-	-	-	100				
MJH16002	-	5	500	5	-	5	5	0.6	3	400	-	-	-	100				
MJH16006	-	8	450	5	-	5	8	3.0	5	600	-	-	-	125				
MJH16008	-	8	450	7	-	5	8	3.0	5	600	-	-	-	125				
MJE3055	MJE2955	10	60	20	100	4	4	1.1	4	400	2.0	-	-	90				
TIP33	TIP34	10	40	20	-	-	3	-	-	-	3.0	-	-	80				
TIP33A	TIP34A	10	60	20	-	-	3	-	-	-	3.0	-	-	80				
TIP33B	TIP34B	10	80	20	-	-	3	-	-	-	3.0	-	-	80				
TIP33C	TIP34C	10	100	20	-	-	3	-	-	-	3.0	-	-	80				
MJH16018	-	10	800	7	-	-	5	-	-	-	-	-	-	150				
TIP3055	TIP2955	15	60	5	-	4	10	3.0	10	3.3A	2.5	-	-	80				
MJH11018	MJH11017	15	150	400	15K	-	10	-	-	-	3.0	-	-	150				
MJH11020	MJH11019	15	200	400	15K	-	10	-	-	-	3.0	-	-	150				
MJH11022	MJH11021	15	250	400	15K	-	10	-	-	-	3.0	-	-	150				
MJH16010	-	15	450	5	-	-	15	-	-	-	-	-	-	150				
MJH16012	-	15	450	7	-	-	15	-	-	-	-	-	-	150				

**TO-126**



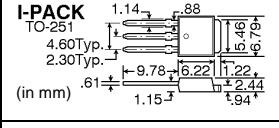
(in mm)

**TO-220**



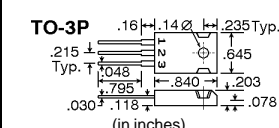
(in inches)

**I-PACK**



(in mm)

**TO-3P**



(in inches)