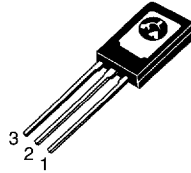


STYLE 1:
 PIN 1. EMITTER
 2. COLLECTOR
 3. BASE



STYLE 3:
 PIN 1. BASE
 2. COLLECTOR
 3. EMITTER

CASE 77-07 (TO-225AA)

I _C Cont Amps Max	V _{CEO} (sus) Volts Min	Device Type		h _{FE} Min/Max	@ I _C Amp	Resistive Switching			f _T MHz Min	P _D (Case) Watts @ 25°C
		NPN	PNP			t _s μs Max	t _f μs Max	@ I _C Amp		
0.3	350	MJE3439		40/160	0.02				15	15
0.5	150	MJE341		25/200	0.05				15	20.8
	200	MJE344		30/300	0.05				15	20.8
	250	2N5655		30/250	0.1	3.5 typ	0.24 typ	0.1	10	20
		BD157		30/240	0.05					20
	300	BD158 BD232 MJE340 [C] 2N5656	MJE350 [C]	30/240 20 min 30/240 30/250	0.05 0.15 0.05 0.1					20 20 20.8 20
350	2N5657 BD159		30/250 30/240	0.1 0.05	3.5 typ	0.24 typ	0.1	10	20 20	
1	40	2N4921	2N4918	20/100	0.5	0.6 typ	0.3 typ	0.5	3	30
	60	2N4922	2N4919	20/100	0.5	0.6 typ	0.3 typ	0.5	3	30
	80	2N4923	2N4920	20/100	0.5	0.6 typ	0.3 typ	0.5	3	30
1.5	45	BD165	BD166	15 min	0.5				6	20
		BD135	BD136	40/250	0.15					12.5
	60	BD167		15 min	0.5				6	20
		BD137	BD138	40/250	0.15					12.5
	80	BD169 BD139 BD139.10	BD170 BD140 BD140.10	15 min 40/250 63/160	0.5 0.15 0.15				6	20 12.5 12.5
300	MJE13002●		5/25	1	4	0.7	1	5	40	
400	MJE13003● [C]		5/25	1	4	0.7	1	5	40	
2	60	BD235	BD236	25 min	1				3	25
	80	BD237		25 min	1				3	25
	100	MJE270##●	MJE271##●	1.5k min	0.12				6	15
3	60	MJE181	MJE171	50/250	0.1	0.6 typ	0.12 typ	0.1	50	12.5
	80	BD179	BD180	40/250	0.15				3	30
		MJE182 [C]	MJE172 [C]	50/250	0.1	0.6 typ	0.12 typ	0.1	50	12.5
200	BUY49P		30 min	0.5				25	20	

●Case 77 (Style 3), # I_{hfe} @ 1 MHz, ## Darlington

[C] Available as preferred chip
 Device Numbers in **Bold** type are preferred

(continued)

TABLE 8 – PLASTIC TO-225 Type (continued)

I _C Cont Amps Max	V _{CEO(sus)} Volts Min	Device Type		h _{FE} Min/Max	@ I _C Amp	Resistive Switching			f _T MHz Min	P _D (Case) Watts @ 25°C
		NPN	PNP			t _s μs Max	t _f μs Max	@ I _C Amp		
		4	40			MJE521	MJE371	40 min		
	45	BD437	BD438 BD776##	40 min 750 min	2 2				3 20	36 15
	60	BD189	BD440	15 min 25 min	2 2				20 3	40 36
		BD677##	BD678##	750 min	1.5					40
		BD677A##	BD678A##	750 min	2					40
		BD787	BD788	20 min	2				50	15
		BD777##	BD778##	750 min	2				20	15
		2N5191	2N5194	25/100	1.5	0.4 typ	0.4 typ	1.5	2	40
		MJE800##	MJE700##	750 min	1.5				1#	40
		2N6038##	2N6035##	750/18k	2	1.7 typ	1.2 typ	2	25	40
	80	2N5192	2N5195	25/100	1.5	0.4 typ	0.4 typ	1.5	2	40
		BD441	BD442	15 min	2				3	36
		BD679##	BD680##	750 min	1.5					40
		BD679A##	BD680A##	750 min	2					40
		BD789	BD790	10 min	2				40	15
		BD779##	BD780##	750 min	2				20	15
		MJE240	MJE250	40/200	0.2	0.15 typ	0.07 typ	2	40	15
		MJE241	MJE251	40/120	0.2	0.15 typ	0.07 typ	2	40	15
		MJE802##	MJE702##	750 min	1.5				1#	40
		MJE803##	MJE703##	750 min	2				1#	40
		2N6039## [C]	2N6036## [C]	750/18k	2	1.7 typ	1.2 typ	2	25	40
	100	BD681##	BD682##	750 min	1.5					40
		BD791	BD792	10 min	2				40	15
		MJE243	MJE253	40/120	0.2	0.15 typ	0.07 typ	2	40	15
5	25	MJE200 [C]	MJE210 [C]	45/180	2	0.13 typ	0.035 typ	2	65	15

I_{hfe} @ 1 MHz, ## Darlington

[C] Available as preferred chip

Device Numers in **Bold** type are preferred