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*Consult Motorola if a direct replacement is necessary.



TABLE 5 — PLASTIC TO-220 (continued)

I _C Cont Amps Max	V _{CE0} (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		
7	45	BD795	BD796	25 min	3				3	65
	50	2N6290	2N6109	30/150	2.5	0.4 typ	0.15 typ	3	4	40
	60	BD797	BD798	25 min	3				3	65
	70	2N6292	2N6107	30/150	3	0.4 typ	0.15 typ	3	4	40
	80	BD799	BD800	15 min	3				3	65
	100	BD801	BD802	15 min	3				3	65
	150	BU407,D		30 min	1.5		0.75	5	10	60
	200	BU406,D		30 min	1.5		0.75	5	10	60
	375	BU522##		250 min	2.5				7.5	75
	425	BU522A##		250 min	2.5				7.5	75
450	BU522B##		250 min	2.5				7.5	75	
8	40	2N6386##		1k/20k	3				20#	65
	45	BDX53##	BDX54##	750 min	3				4#	60
		BD895##	BD896##	750 min	3				1#	70
		BD895A##	BD896A##	750 min	4				1#	70
	60	2N6043##	2N6040##	1k/10k	4	1.5 typ	1.5 typ	3	4#	75
		BDX53A##	BDX54A##	750 min	3				4#	60
		BD897##	BD898##	750 min	3				1#	70
		BD897A##	BD898A##	750 min	4				1#	70
		TIP100##	TIP105##	1k/20k	3	1.5 typ	1.5 typ	3	4#	80
	80	2N6044##	2N6041##	1k/10k	4	1.5 typ	1.5 typ	3	4#	75
		BDX53B##	BDX54B##	750 min	3				4#	60
		BD899##	BD900##	750 min	3				1#	70
		BD899A##	BD900A##	750 min	4				1#	70
		TIP101##	TIP106##	1k/20k	3	1.5 typ	1.5 typ	3	4#	80
	100	2N6045##	2N6042##	1k/10k	3	1.5 typ	1.5 typ	3	4#	75
		BDX53C##	BDX54C##	750 min	3				4#	60
		BD901##	BD902##	750 min	3				1#	70
		TIP102##	TIP107##	1k/20k	3	1.5 typ	1.5 typ	3	4#	80
	120	BDX53D##	BDX54D##	750 min	3				4#	60
		MJE15028	MJE15029	20 min	4				30	50
150	MJE15030	MJE15031	20 min	4				30	50	
	BU807##		100 min	5	0.55 typ	0.2 typ	5		60	
200	BU806##		100 min	5	0.55 typ	0.2 typ	5		60	
300	MJE13006		5/30	5	3	0.7	5	4	80	
	MJE5740##	MJE5850	200 min 15 min	4 2	8 typ 2	2 typ 0.5	6 4		80 80	
350	MJE5741##		200 min 15 min	4 2	8 typ 2	2 typ 0.5	6 4		80 80	
	MJE5742##	MJE5851	200 min 15 min	4 2	8 typ 2	2 typ 0.5	6 4		80 80	
400	MJE5742##		200 min	4	8 typ	2 typ	6		80	
	MJE13007	MJE5852	5/30 15 min	5 2	3 2	0.7 0.5	5 4	4	80 80	
	MJE16080		5 min	8	2	0.5	5		80	
	MJE16106		6/25	8	2 typ	0.1 typ	5		100	
450	MJE16081		5 min	8	2	0.5	5		80	
10	30		D45H1 D45H2	20 min 40 min	4 4					50 50
		40	D44E1##		1000 min	5	2 typ	0.5 typ	10	50
	45	BDX33##	BDX34##	750 min	4				3	70
		BD805	BD806	15 min	4				1.5	90
		D44H5	D45H4 D45H5	20 min 40 min	4 4					50 50
60	BDX33A##	BDX34A##	750 min	4				3	70	
BD807	BD808	15 min	4				1.5	90		

I_{hfe} @ 1 MHz, ## Darlington

(continued)