

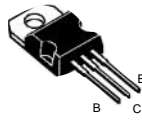


POWER BIPOLAR

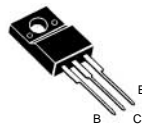
TRANSISTORS



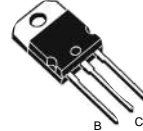
SOT32



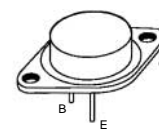
TO220



TO220FP



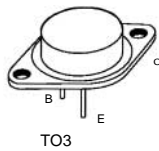
TO218



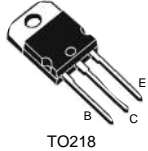
TO3

GENERAL PURPOSE

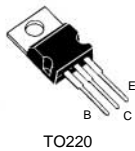
V _{CE0} (V)	V _{CBO} V _{CES} (V)	I _C (A)	P _{tot} (W)	Device No. & Anglia Order Code		h _{FE} @ I _C /V _{CE(sat)}			V _{CE} @ I _C /I _B			Package	
				NPN	PNP	min.	(A)	(V)	(V)	(A)	(mA)		
22	22	4	36	BD433	BD434	50	2	1	0.5	2	200	SOT32	
25	40	5	15	—	MJE210	70	0.5	1	0.3	0.5	50		
30	40	7	40	—	2N6111	30	4	3	1	3	300	TO220	
32	32	4	36	BD435	BD436	50	2	1	0.5	2	200	SOT32	
40	40	4	40	MJE521	—	40	1	1	—	—	—		
	50	15	75	—	2N6489	20	5	4	1.3	5	500		TO220
	50	30	150	2N3771	—	15	15	4	2	15	1500	TO3	
45	45	10	50	—	D45H5	40	4	1	1	8	400	TO220	
	45	8	50	—	BD534	25	2	2	0.8	2	200		
	45	8	15	BD533FP	BD534FP	25	2	2	0.8	2	200	TO220FP	
	45	4	36	BD437	BD438	40	2	1	0.6	2	200	SOT32	
	45	2	25	—	BD234	25	1	2	0.6	1	100		
45	1.5	12.5	BD135	BD136	40	0.15	2	0.5	0.5	50			
60	60	12	75	BD707	BD708	15	4	4	1	4	400	TO220	
	60	8	50	BD535	BD536	25	2	2	0.8	2	200		
	60	6	65	TIP41A	TIP42A	15	3	4	1.5	6	600		
	60	3	40	TIP31A	TIP32A	25	1	4	1.2	3	375		
	60	1	30	TIP29A	TIP30A	15	1	4	0.7	1	125		
	70	15	75	2N6487	2N6490	20	5	4	1.3	5	500		
	70	10	75	MJE3055T	MJE2955T	20	4	4	1.1	4	400		
	70	3	40	BD241A	BD242A	25	1	4	1.2	3	600		
	60	4	40	2N5191	—	25	1.5	2	0.6	1.5	150		SOT32
	60	4	36	BD439	BD440	25	2	1	0.8	2	200		
	60	2	25	BD235	BD236	25	1	2	0.6	1	100		
	60	1.5	12.5	BD137	BD138	40	0.15	2	0.5	0.5	50		
		100	15	90	TIP3055	TIP2955	20	4	4	1.1	4		400
	100	20	150	2N3772	—	15	10	4	2	15	1500	TO3	
	100	15	115	2N3055	MJ2955	20	4	4	1.1	4	400		
70	80	7	40	—	2N6107	30	3	4	1	3	300	TO220	
80	80	25	200	2N5886	2N5884	35	3	4	1	15	1500	TO3	
	80	25	125	—	TIP36B	25	1.5	4	1.8	15	1500	TO218	
	80	15	90	BD909	BD910	15	5	4	1	5	500	TO220	
	80	12	75	BD709	BD710	15	4	4	1	4	400		
	80	8	50	BD537	BD538	15	2	2	0.8	2	200		
	80	6	65	BD243B	BD244B	15	3	4	1.5	6	1000		
	80	6	65	TIP41B	TIP42B	15	3	4	1.5	6	600		
	80	3	40	—	TIP32B	25	1	4	1.2	3	375		
	90	15	75	2N6488	—	20	5	4	1.3	5	500		
	90	3	40	BD241B	BD242B	25	1	4	1.2	3	600		
	100	10	60	BDY90P	—	50	5	5	0.5	5	500		
	90	3	15	BD241BFP	BD242BFP	25	1	4	1.2	3	600		TO220FP
	80	4	40	2N5192	2N5195	20	1.5	2	0.6	1.5	150	SOT32	
	80	4	36	BD441	BD442	15	2	1	0.8	2	200		
	80	3	30	BD179	—	40	0.15	2	0.8	1	100		
80	1.5	12.5	BD139	BD140	40	0.15	2	0.5	0.5	50			
80	1.5	12.5	BD139-10	BD140-10	63	0.15	2	0.5	0.5	50			
100	3	12.5	MJE182	MJE172	12	1.5	1	0.9	1.5	150			
100	2	25	BD237	BD238	25	1	2	0.6	1	100			
90	100	30	200	MJ802	MJ4502	25	7.5	2	0.8	7.5	750	TO3	
100	100	15	125	BDW51C	BDW52C	20	5	4	1	5	500		
	100	25	125	TIP35C	TIP36C	25	1.5	4	1.8	15	1500	TO218	
	140	10	80	TIP33C	TIP34C	20	3	4	1	3	300		
	100	15	90	BD911	BD912	15	5	4	1	5	500	TO220	
	100	12	75	BD711	BD712	15	4	4	1	4	400		
100	6	65	TIP41C	TIP42C	15	3	4	1.5	6	600			
100	6	65	BD243C	BD244C	15	3	4	1.5	6	1000			
100	3	40	TIP31C	TIP32C	25	1	4	1.2	3	375			
100	1	30	TIP29C	TIP30C	15	1	4	0.7	1	125			
115	3	40	BD241C	BD242C	25	1	4	1.2	3	600			
115	2	30	BD239C	BD240C	15	1	4	0.7	1	200			



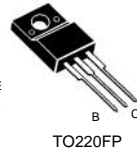
TO3



TO218



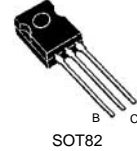
TO220



TO220FP



SOT32



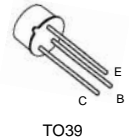
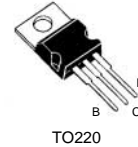
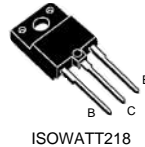
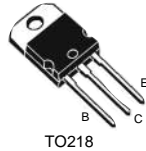
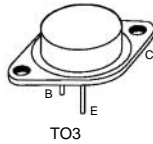
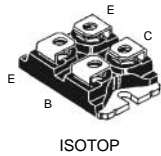
SOT82

GENERAL PURPOSE DARLINGTONS

V _{CEO} (V)	V _{CBO} V _{CES} (V)	I _C (A)	P _{tot} (W)	Device No. & Anglia Order Code		h _{FE} @ I _C /V _{CE(sat)}			V _{CE} @ I _C /I _B			Package
				NPN	PNP	min.	(A)	(V)	(V)	(A)	(mA)	
60	60	12	150	–	2N6050	750	2	3	3	4	40	TO3
	60	8	80	TIP100	TIP105	1000	3	4	2	3	6	TO220
	60	8	70	–	TIP135	1000	4	4	2	4	16	
	60	5	65	TIP120	TIP125	1000	3	3	2	3	12	
	60	2	50	TIP110	TIP115	1000	2	4	2.5	2	8	
	60	5	65	–	SGS125	1000	3	3	2	3	12	SOT82
	60	4	40	BD677	BD678	750	1.5	3	2.5	1.5	30	SOT32
60	4	40	BD677A	BD678A	750	2	3	2.8	2	40		
80	80	25	130	SGSD100	SGSD200	300	20	3	1.75	10	40	TO218
	80	10	125	TIP141	–	1000	5	4	3	10	40	
	80	12	80	BDW93B	BDW94B	750	5	3	2	5	20	TO220
	80	10	70	BDX33B	BDX34B	750	3	3	2.5	3	6	
	80	10	65	2N6388	–	1000	5	3	2	5	10	
	80	8	80	–	TIP106	1000	3	4	2	3	6	
	80	8	70	TIP131	–	1000	4	4	2	4	16	
	80	8	60	BDX53B	BDX54B	750	3	3	2	3	12	
	80	5	65	TIP121	TIP126	1000	3	3	2	3	12	
	80	8	25	BDX53BFP	–	750	3	3	2	3	12	TO220FP
	80	10	150	MJ3001	MJ2501	1000	5	3	2	5	20	TO3
	80	4	40	–	2N6036	750	2	3	2	2	8	SOT32
	80	4	40	BD679	BD680	750	1.5	3	2.5	1.5	30	
80	4	40	BD679A	BD680A	750	2	3	2.8	2	40		
80	4	40	MJE802	–	100	4	3	3	4	40		
90	90	30	200	MJ11014	MJ11013	1000	20	5	4	30	300	TO3
100	20	160	2N6284	2N6287	750	10	3	3	20	200		
100	16	150	MJ4035	MJ4032	1000	10	3	4	16	80		
100	12	150	2N6059	–	750	6	3	3	12	120		
100	12	120	BDX87C	BDX88C	1000	5	3	2	6	24		
100	15	130	BDW83C	–	750	6	3	4	15	150	TO218	
100	10	125	TIP142	TIP147	1000	5	4	3	10	40		
100	15	75	TIP142T	TIP147T	1000	5	4	3	10	40	TO220	
100	12	80	BDW93C	BDW94C	750	5	3	2	5	20		
100	10	70	BDX33C	BDX34C	750	3	3	2.5	3	6		
100	8	80	TIP102	TIP107	1000	3	4	2	3	6		
100	8	70	TIP132	TIP137	1000	4	4	2	4	16		
100	8	60	BDX53C	BDX54C	750	3	3	2	3	12		
100	5	65	TIP122	TIP127	1000	3	3	2	3	12		
100	2	50	TIP112	TIP117	1000	1	4	2.5	2	8		
100	12	30	BDW93CFP	BDW94CFP	750	5	3	2	5	20		TO220FP
100	5	25	TIP122FP	TIP127FP	1000	3	3	2	3	12		
100	6	60	–	BD336	750	3	3	2	3	12	SOT32	
100	4	40	BD681	BD682	750	1.5	3	2.5	1.5	30	SOT82	
120	120	30	200	MJ11016	–	1000	20	5	4	30	300	TO3
160	160	8	60	BDX53F	BDX54F	500	2	5	2	2	10	TO220

PACKAGE DIMENSIONS

refer to General Data section shown later in this shortform



SWITCHING TRANSISTORS & DARLINGTONS

V_{CE0} (V)	V_{CBO} V_{CES} (V)	I_C (A)	P_{tot} (W)	Device No. Anglia & Order Code	$V_{CE(sat)}$ @ I_C / I_B			t_s (μ s)	t_f (μ s)	Package
					(V)	(A)	(A)			
60	120	80	250	BUV18	1.5	80	8	1.1	0.25	TO3
	120	30	150	BUW48	1.4	40	4	1.65	0.5	TO218
	120	5	5	BFX34	1	5	0.5	–	–	TO39
80	100	5	10	2N5154	1.5	5	0.5	–	–	TO39
	160	30	150	BUW49	1.2	30	3	1.65	0.5	TO218
90	150	20	140	2N5038	2.5	20	5	1.5	0.5	TO3
	160	25	125	BUW89	0.9	15	1.5	1.4	0.7	TO218
	180	14	85	BUV26	1.5	12	1.2	2	0.35	TO220
100	100	5	6	2N5339	1.2	5	0.5	2	0.2	TO39
	100	1	10	2N5681	1	0.5	0.05	–	–	TO39
	120	10	60	BDY90	1.5	10	1	1.3	0.2	TO3
120	120	1	10	2N5682	1	0.5	0.05	–	–	TO39
	150	120	175	ESM2012DV	2	100	1	2	0.3	ISOTOP
	240	12	85	BUV27	0.7	4	0.4	2	0.15	TO220
125	200	100	250	BUT30V	1.5	100	10	2	0.2	ISOTOP
	200	40	200	BUT70	0.9	70	7	0.2	0.35	TO218
	250	25	150	BUW50	0.9	20	2	1.7	0.3	
	250	20	125	BUW90	0.9	11	1.1	1.7	0.3	
	160	50	250	BUV20	0.6	25	2.5	1.2	0.3	TO3
	160	25	150	BUX10	0.6	10	1	1.2	0.3	
	160	20	120	BUX40	1.6	15	1.88	1	0.4	
	200	70	350	BUR50S	1	35	2	2	0.5	
200	50	300	BUT100	0.9	100	10	2	0.2		
200	50	250	BUT90	0.9	70	7	2	0.3		
150	330	8	60	BU807	1.5	5	0.05	0.55	0.2	TO220
	330	7	60	BU407	1	5	0.5	–	–	
	330	7	60	BU407D	1	5	0.65	–	–	
200	250	3	10	BUY49S	0.2	0.5	0.05	–	–	TO39
	250	40	250	BUV21	0.6	12	1.2	1.8	0.4	TO3
	300	60	350	BUR51	1	30	2	2	0.6	
	300	50	250	BUV61	1.2	40	5	2.4	0.25	
	400	10	85	BUV28	1.5	6	0.6	1.5	0.25	TO220
	400	8	60	BU806	1.5	5	0.05	0.55	0.2	
400	7	60	BU406	1	5	0.5	–	–		
250	300	40	350	BUX22	1.5	20	2.5	2	0.5	TO3
	300	20	150	BUX12	1	5	0.5	2	0.5	
	300	1	10	2N3440	0.5	0.05	0.004	–	–	TO39
	350	60	350	BUR52	1	25	2	2	0.6	TO3
	350	1	40	TIP47	1	1	0.2	–	–	TO220
300	350	0.3	15	MJE3440	0.5	0.05	0.004	–	–	SOT32
	300	0.5	20.8	MJE340	–	–	–	–	–	ISOTOP
	400	140	300	BUT232V	1.9	70	7	5	0.4	
	400	100	225	ESM3030DV	2.2	85	2.4	3.5	0.6	
	400	80	250	BUT32V	0.9	40	4	3	0.4	
	400	67	150	ESM2030DV	2.2	56	1.6	3	0.6	
400	1	40	TIP48	1	1	0.2	–	–	TO220	
350	375	0.5	20	2N5657	2.5	0.25	0.025	–	–	SOT32
	450	1	40	TIP49	1	1	0.2	–	–	TO220
	450	1	10	2N3439	0.5	0.05	0.004	–	–	TO39

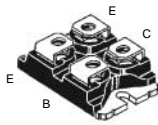
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SWITCHING TRANSISTORS & DARLINGTONS *continued*

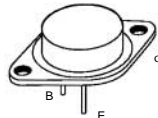
V _{CEO} (V)	V _{CB0} V _{CES} (V)	I _C (A)	P _{tot} (W)	Device No. & Anglia Order Code NPN	V _{CE(sat)} @ I _C / I _B			t _s (µs)	t _f (µs)	Package
					(V)	(A)	(A)			
400	700	1.5	40	ST13003	1	1	0.25	4	0.7	SOT32
	800	10	100	BUX80	3	8	2.5	3.5	0.5	TO3
	850	15	55	BUV48FI	1.5	10	2	5	0.4	ISOWATT218
	500	1	40	TIP50	1	1	0.2	–	–	TO220
	600	7	75	BU810	2.5	4	0.2	1.5	0.4	
	700	12	100	MJE13009	1.6	8	1.6	3	0.7	
	700	8	80	ST13007	1.5	5	1	2.5	0.1	
	700	4	75	ST13005	1	4	1	2.5	0.2	
	850	8	80	MJE13007A	1.5	5	1	3	0.7	
	850	5	70	BUV46	1.5	2.5	0.5	3	0.8	
	850	30	250	BUX98	1.5	20	4	3	0.8	TO3
	850	15	175	BUX48	1.5	10	2	5	0.4	
850	15	175	2N6547	1.5	10	2	–	–		
1000	10	100	BUY69A	3.3	8	2.5	1.7	0.3		
450	600	84	250	ESM6045DV	2	70	4	5.5	0.5	ISOTOP
	600	60	175	ESM5045DV	2	50	2.8	5	0.5	
	600	42	150	ESM4045DV	2	35	2	5	0.5	
	600	24	125	ESM3045DV	2	20	1.2	4	0.4	
	850	50	250	BUV298V	1.2	32	6.4	4.5	0.4	
	1000	30	150	BUV98V	1.5	20	4	5	0.4	
	850	45	300	BUX348	0.9	30	6	4.5	0.4	TO3
	850	30	200	BUX98P	0.9	20	4	4.5	0.4	TO218
	1000	24	200	BUX98AP	1.2	16	3.2	3	0.8	
	1000	15	125	BUV48A	1.5	10	2	3	0.8	
	1000	72	250	ESM6045AV	2	60	2.4	6	0.6	ISOTOP
	1000	50	250	BUV298AV	1.2	32	6.4	4.5	0.4	
	1000	30	150	BUV98AV	1.5	16	3.2	5	0.4	
	1000	30	250	BUX98A	1.5	16	3.2	3	0.8	TO3
	1000	15	175	BUX48A	1.5	10	2	3	0.8	
1000	15	55	BUV48AFI	1.5	8	1.6	3	0.8	ISOWATT218	
1000	0.5	40	BUX87	1	0.2	0.02	4.5	0.5	SOT32	
1000	5	83	BUT11A	1.5	2.5	0.5	4	0.8	TO220	
1000	5	70	BUV46A	1.5	2	0.4	3	0.8		
700	1200	15	125	BUV48C	1.5	6	1.5	3	0.8	TO218
	1200	30	250	BUX98C	1.5	12	3	3	0.8	TO3
	1200	15	175	BUX48C	1.5	6	1.5	6	0.6	
	1200	15	55	BUV48CFI	1.5	6	1.5	6	0.6	ISOWATT218

V _{CEO} (V)	V _{CB0} V _{CES} (V)	I _C (A)	P _{tot} (W)	Device No. & Anglia Order Code PNP	V _{CE(sat)} @ I _C / I _B			Package
					(V)	(A)	(A)	
60	65	5	5	BSS44	1	5	0.5	TO39
120	120	1	10	2N5680	1	0.5	0.05	
200	200	1	10	2N5415	2.5	0.05	0.005	
300	300	0.5	20	MJE350	–	–	–	SOT32
	350	1	10	2N5416	2.5	0.05	0.005	TO39

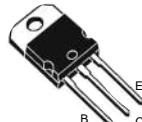
RECOMMENDED
HEATSINKS
see Heatsink section
later in this shortform



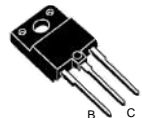
ISOTOP



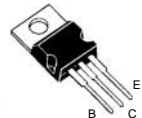
TO3



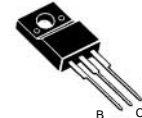
TO218



ISOWATT218



TO220



ISOWATT220
TO220FP



SOT32

FAST SWITCHING / SMPS

V _{CEO} (V)	V _{CBO} V _{CES} (V)	I _C (A)	P _{tot} (W)	Device No. & Anglia Order Code NPN	V _{CE(sat)} @ I _C / I _B			t _s max. (μs)	t _f max. (μs)	Package
					(V)	(A)	(A)			
400	850	15	55	SGSIF461	1.5	10	2	2.3	0.5	ISOWATT218
450	850	30	200	BUF420M	0.5	20	2	2	0.1	TO3
	850	30	200	BUF420	0.5	20	2	2	0.1	TO218
	850	15	125	BUF410	0.5	10	2	1.8	0.1	
	1000	30	200	BUF420A	0.5	20	2	2	0.1	
	1000	15	125	BUF410A	0.5	10	2	1.8	0.1	
	1000	80	270	BUF460AV	2	60	12	5	0.2	ISOTOP
	1000	7.5	80	BUF405A	0.5	5	1	1.8	0.1	TO220
	1000	7.5	40	BUF405AFI	0.5	5	1	1.8	0.1	ISOWATT220
1000	0.5	40	BUX87	1	0.2	0.02	4.5 typ.	0.5 typ.	SOT32	
500	1000	5	28	BUL310FP	1.1	3	0.6	1.9	0.16	TO220FP
600	1200	7	50	SGSIF444	1.5	3.5	0.7	3.5	0.4	ISOWATT218
	1200	7	40	SGSIF344	1.5	3.5	0.7	3.5	0.4	ISOWATT220
	1200	7	85	SGSF344	1.5	3.5	0.7	3.5	0.4	TO220
	1200	4	70	SGSF324	1.5	1.75	0.35	4.5	0.35	
700	1500	6	44	BUH315	1.5	3	0.75	2.4	0.2	ISOWATT218

ELECTRONIC IGNITION

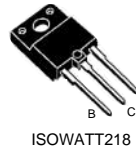
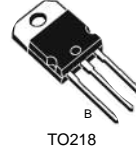
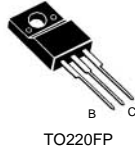
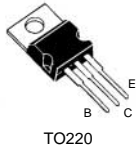
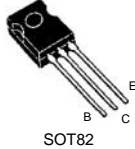
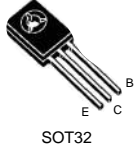
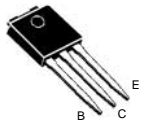
V _{CEO} (V)	V _{CBO} V _{CES} (V)	I _C (A)	P _{tot} (W)	Device No. & Anglia Order Code NPN	h _{FE} @ I _C / V _{CE}			V _{CE(sat)} @ I _C / I _B			Package
					min.	(A)	(V)	(V)	(A)	(A)	
350	350/500	15	180	BU941Z	300	5	10	1.8	10	0.25	TO3
	350/500	15	155	BU941ZP	300	5	10	1.8	10	0.25	TO218
	350/500	15	150	BU941ZT	300	5	10	1.8	10	0.25	TO220
	350/500	15	65	BU941ZPFI	300	5	10	1.8	10	0.25	ISOWATT218
	350/500	15	55	BU941ZTFI	300	5	10	1.8	10	0.25	ISOWATT220
400	450	6	60	BU911	20	4	1.8	1.8	2.5	0.05	TO220
	500	15	150	BU941T	300	5	10	1.8	10	0.25	
	500	10	125	BU931T	300	5	10	1.8	8	0.1	
	500	15	65	BU941PFI	300	5	10	1.8	10	0.25	ISOWATT218
	500	15	60	BU931PFI	300	5	10	1.8	8	0.1	
	500	15	180	BU941	300	5	10	1.8	10	0.25	TO3
	500	15	175	BU931	300	5	10	1.8	8	0.1	
	500	15	155	BU941P	300	5	10	1.8	10	0.25	TO218
500	15	135	BU931P	300	5	10	1.8	8	0.1		

PACKAGE DIMENSIONS

refer to General Data section
shown later in this shortform

POWER BIPOLAR

continued overleaf >>>



ELECTRONIC LIGHTING

V _{CEO} (V)	V _{CES} (V)	I _C (A)	P _{tot} (W)	Device No. & Anglia Order Code NPN	Compact Fluorescent Lamps	TYPICAL APPLICATION			Package
						Industrial Lamp Ballasts push pull	Industrial Lamp Ballasts half bridge	Halogen Lamp Transformers	
400	700 †	4	35	BULD128D-1	up to 23W	–	up to 40W	up to 30W	IPAK
	700	2	20	BULD118-1	up to 13W	–	up to 20W	–	
	700 †	2	20	BULD118D-1	up to 13W	–	up to 20W	–	
	700	2	45	BULT118	up to 13W	–	up to 20W	–	SOT32
	700	12	110	BUL87	–	–	–	up to 200W	TO220
	700	10	100	BUL67	–	–	–	up to 150W	
	700	8	85	BUL57	–	up to 140W*	up to 140W	–	
	700 †	4	70	BUL128D	up to 23W	–	up to 40W	up to 30W	
	700	4	70	BUL128	up to 23W	–	up to 40W	–	
	800	5	80	BUL138	–	up to 80W*	up to 80W	–	
	800	5	70	BUL381	>23W	up to 80W*	up to 80W	–	
	800 †	5	70	BUL381D	>23W	up to 80W*	up to 80W	–	
	800	5	70	BUL382	>23W	up to 80W*	up to 80W	–	
	850	8	90	BUL59	–	–	–	up to 150W	
700	4	25	BUL128FP	up to 23W	–	up to 40W	–	TO220FP	
800	5	25	BUL138FP	–	up to 80W*	up to 80W	–		
450	800 †	5	60	BULK38D	–	–	–	up to 50W	SOT82
	800 †	8	85	BUL58D	–	–	–	up to 105W	TO220
	800 †	5	80	BUL38D	–	–	–	up to 75W	
	850 †	5	80	BUL49D	–	–	–	up to 75W	
	850 †	5	70	BUL39D	–	–	–	up to 50W	
	1000	10	100	BUL510	–	–	–	up to 150W	
1000	15	125	BUL810	–	–	–	up to 300W	TO218	
500	1000	5	75	BUL310	–	–	up to 120W	–	TO220
	1000	5	28	BUL310FP	–	–	up to 120W	–	TO220FP
600	1300	3	60	BUL213	–	up to 90W	up to 90W**	–	TO220
800	1600	6	110	BUL416	–	up to 200W**	–	–	TO220
	1600	4	90	BUL216	–	up to 130W**	–	–	

† Integrated free wheeling diode

* 120V A.C. mains

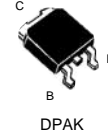
** 277V A.C. mains

HORIZONTAL DEFLECTION

V _{CEO} (V)	V _{CBO} (V)	I _C (A)	P _{tot} (W)	Device No. & Anglia Order Code NPN	TYPICAL APPLICATION		Package
					Colour Television screen size	Monitor size/type/frequency	
700	1500	8	30	BUH515FP	up to 25"	14"/SVGA /<50kHz	TO220FP
	1400 †	8	52	BU808DFI	up to 21"	–	ISOWATT218
	1500	10	57	THD200FI	>25"	15"/Multisync/>64kHz	
	1500	8	50	THD277HI	up to 25"	14"/SVGA/<50kHz	
	1500 †	8	50	BUH515D	up to 25"	–	
	1500	8	50	BUH515	up to 25"	14"/SVGA /<50kHz	
	1500 †	8	50	BU508DFI	up to 25"	–	
	1500	8	50	BU508AFI	up to 25"	–	
	1500	8	50	S2000AFI	up to 25"	–	
	1500 †	6	44	BUH315D	up to 17"	–	
	1500	6	44	BUH315	up to 17"	–	
	1500	16	200	BUH1215	–	21"/Multisync/>64kHz	TO218
	1500	14	160	BUH1015	>25"	17"/Multisync/>64kHz	

† Integrated free wheeling diode

RECOMMENDED
HEATSINKS
see Heatsink section
later in this shortform

SURFACE MOUNT

GENERAL PURPOSE

V_{CE0} (V)	V_{CBO} V_{CES} (V)	I_C (cont) (A)	P_{tot} (W)	Device No. & Anglia Order Code Tape & Reel		h_{FE} @ I_C/V_{CE}			$V_{CE(sat)}$ @ I_C/I_B			Package
				NPN	PNP	min.	(A)	(V)	(V)	(A)	(A)	
25	40	5	12.5	MJD200T4	MJD210T4	45	2	1	0.75	2	0.2	DPAK
60	70	10	20	MJD3055T4	MJD2955T4	20	4	4	1.1	4	0.4	
80	80	15	20	STD909T4	STD910T4	15	5	4	1	5	0.5	
80	80	3	15	MJD31BT4	MJD32BT4	10	3	4	1.2	3	0.375	
100	100	3	15	MJD31CT4	MJD32CT4	10	3	4	1.2	3	0.375	

GENERAL PURPOSE DARLINGTONS

V_{CE0} (V)	V_{CBO} V_{CES} (V)	I_C (cont) (A)	P_{tot} (W)	Device No. & Anglia Order Code Tape & Reel		h_{FE} @ I_C/V_{CE}			$V_{CE(sat)}$ @ I_C/I_B			Package
				NPN	PNP	min.	(A)	(V)	(V)	(A)	(A)	
100	100	5	20	MJD122T4	MJD127T4	1000	4	4	2	4	0.016	DPAK
100	100	2	20	MJD112T4	MJD117T4	1000	2	3	2	2	0.008	

SWITCHING

V_{CE0} (V)	V_{CBO} V_{CES} (V)	I_C (cont) (A)	P_{tot} (W)	Device No. & Anglia Order Code Tape & Reel		h_{FE} @ I_C/V_{CE}			$V_{CE(sat)}$ @ I_C/I_B			Package
				NPN	PNP	min.	(A)	(V)	(V)	(A)	(A)	
250	350	1	15	MJD47T4	-	10	1	10	1	1	0.2	DPAK
300	300	0.5	15	MJD340T4	MJD350T4	30	0.05	10	-	-	-	

FAST SWITCHING / SMPS

V_{CE0} (V)	V_{CBO} V_{CES} (V)	I_C (cont) (A)	P_{tot} (W)	Device No. & Anglia Order Code Tape & Reel		h_{FE} @ I_C/V_{CE}			$V_{CE(sat)}$ @ I_C/I_B			Package
				NPN	PNP	min.	(A)	(V)	(V)	(A)	(A)	
400	500	1	15	MJD50T4	-	30	0.3	10	1	1	0.2	DPAK

SUPPLIED IN FULL REELS ONLY

PACKAGE DIMENSIONS

refer to General Data section shown later in this shortform