T-35-19

13 Building block transistors

- Suitable for motor control applications
- High voltage, large current capacity
- V_{CEO}: 300 – 1000V, I_C: 100 – 500A
- Easily connected in parallel and control currents up to 1200A

Device type	V_{CBO} Volts	V_{CEO} Volts	V_{CEO} (sus) Volts	I_C cont. Amps.	P_C Watts	h_{FE} min.	I_C Amps.	V_{CE} Volts	Switching time (Max.) t_{on} µsec.	t_{stg} µsec.	t_f µsec.	Package	Net weight Grams	Equivalent circuit Page 40
1D200A-020	300	300	250	200	800	100	200	5	2.0	12	3.0	BBT II	145	Fig. B6
1D500A-030	400	400	300	500	2000	500	500	2	2.0	12	4	BBT IV	365	Fig. B11
ET188	400	400	300	100	600	200	100	5	2.0	12.0	3.0	BBT II	145	Fig. B3
ETM36-030	400	400	320	200	1000	150	200	5	2.0	10.0	1.2	BBT III	270	Fig. B4
ETN36-030	400	400	320	300	1500	150	300	5	2.0	10.0	1.2	BBT III	270	Fig. B4
ET127	600	600	450	100	770	100	100	5	4.0	10.0	3.0	BBT I	200	Fig. B9
ETN01-055	600	600	550	200	1500	8	120	5	2.0	8.0	2.0	BBT III	270	Fig. A3
ETN31-055	600	600	550	200	1500	70	200	5	2.0	12.0	3.0	BBT III	270	Fig. B9
ET1257	1000	1000	1000 *	200	1500	4	120	5	—	—	—	BBT III	450	Fig. A3

* V_{CEX} (sus)

14 High power darlington transistors

- Best suited for motor control applications
- Low saturation voltage
- Ic cont. is as large as 50 Amps and DC current gain is high.
- Permit the control circuits to be simplified

Device type	V_{CBO} Volts	V_{CEO} Volts	V_{CEO} (sus) Volts	I_C cont. Amps.	P_C Watts	h_{FE} min.	I_C Amps.	V_{CE} Volts	Switching time (Max.) t_{on} µsec.	t_{stg} µsec.	t_f µsec.	Package	Net weight Grams	Equivalent circuit Page 40
ET125	400	400	300	50	300	150	50	5	2	10	2.5	MD 18	40	Fig. B6