

## 12 Building block transistors

- Suitable for motor control applications.
- High voltage, large current capacity
- $V_{CE0}$  : 300—1000 V,  $I_c$  : 100—500 A
- Easily connected in parallel and control currents up to 1200 A.

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.)			Package	Net weight grams	Equivalent circuit (Page 40)
									$t_{on}$ $\mu$ sec.	$t_{stg}$ $\mu$ sec.	$t_r$ $\mu$ sec.			
ET188	400	400	300	100	600	200	100	5	2	12	3	BBTII	145	Fig. B3
ET127	600	600	450	100	960	100	100	5	4	10	3	BBT	200	Fig. B9
2SC2770	600	600	450	100	960	8	60	5	4	8	3	BBT	200	Fig. A2
ETN01-055	600	600	550	200	1500	8	120	5	2	8	2	BBTIII	270	Fig. A4
ETN31-055	600	600	550	200	1500	70	200	5	2	12	3	BBTIII	270	Fig. B9
ETM36-030	400	400	320	200	1000	150	200	5	2.0	10.0	1.2	BBTIII	270	Fig. B4
ETN36-030	400	400	320	300	1500	150	300	5	2.0	10.0	1.2	BBTIII	270	Fig. B4
ET1257	1000	1000	1000*	200	1500	4	120	5	—	—	—	BBTIII	450	Fig. A4
1D200A-020	300	300	200	200	800	100	200	5	2	12	3	BBTII	145	Fig. B6
1D500A-030	400	400	300	500	2500	500	500	2	2	12	4	BBTIV	365	Fig. B19

\* :  $V_{CEX}$  (sus)