

Transistors

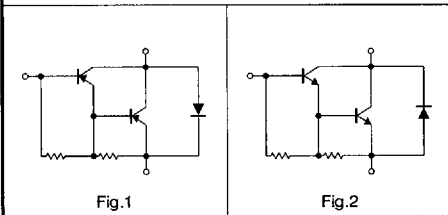
TO-247

TO-220 class high output power package with P_c 60 to 100W.

Application	Part No.	V_{CE0} (V)	I_C (A)	P_c (W) $T_c = 25^\circ\text{C}$	h_{FE}	h_{FE} Ranking code	V_{CE} (V)	I_C (A)	Internal circuit
Driver	☆2SB1477	-100	-5	60	60~320	D E F	-5	-1	—
	☆2SB1345	-80	-7	80	60~320	D E F	-5	-1	—
	☆2SD2236	100	5	60	60~320	D E F	5	1	—
	☆2SD2062	80	7	80	60~320	D E F	5	1	—
AudioOutput	2SA1788	-120	-8	80	60~320	D E F	-5	-1	—
	2SA1633	-150	-10	100	60~320	D E F	-5	-1	—
	☆2SC4652	120	8	80	60~320	D E F	5	1	—
	2SC4278	150	10	100	60~320	D E F	5	1	—
Low $V_{CE(sat)}$	☆2SA1789	-60	-12	80	60~320	D E F	-2	-2	—
	☆2SC4653	60	12	80	60~320	D E F	2	2	—
	☆2SC4847	120	5 circuit	60	60~200	D E	5	3	—
	☆2SC4850	120	7 circuit	60	60~200	D E	5	3	—
High Voltage SW	☆2SC4277	400	5	80	16~50	A B	5	3	—
	☆2SC5114	500	5	80	10~50	—	5	2.5	—
	☆2SC5118	550	4	80	10~50	—	5	2	—
Darlington	☆2SB1478	-100	-8	60	2k~20k	—	-3	-2	Fig.1
	☆2SD2237	100	8	60	2k~20k	—	3	2	Fig.2

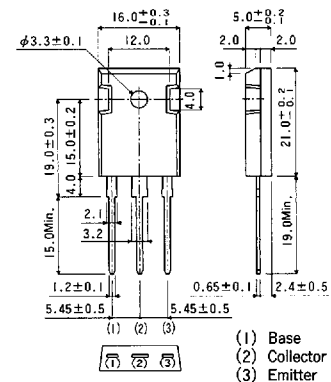
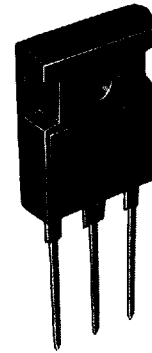
Note : ☆ Under development

Darlington transistor Internal circuit



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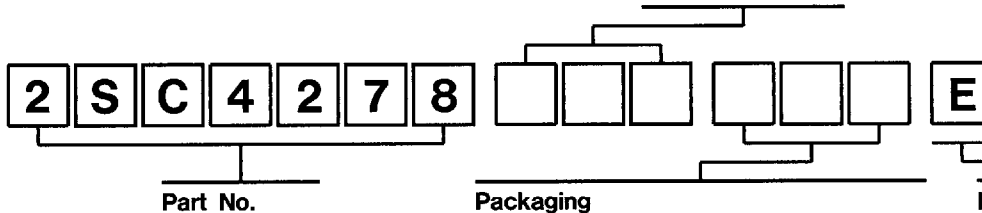


Product Designation

- When ordering, specify the type.
- Check each code against the tables shown below.
- Fill a space with the next character.

Special code

- Omit for standard product.
- Factory assigned for custom product.



Packaging

Package	Code	Package specifications	Quantity/Package (pcs)
TO-247	None	Bulk	200
	F31	Packed in forming tray	500

Others package specifications are under consideration.
Ask for details.

h_{FE} Ranking code

Input h_{FE} rank signal display
One rank preferred ☒ D ☐
Multiple rank preferred ☒ D ☒ F

(Min., Max. is displayed)

Code	h_{FE} Range
A	16~32
B	25~50
C	40~80
D	60~120
E	100~200
F	160~320
G	250~500
H	400~800
J	600~1200
K	1000~2000