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Transistors

TO-247

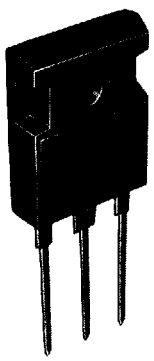
TO-220 class high output power package with Pc 60 to 100W.

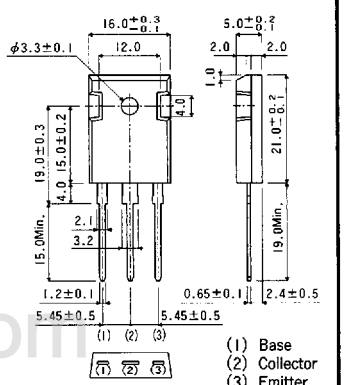
(Unit : mm)

Application	Part No.	V_{CEO} (V)	Ic (A)	Pc (W) Tc=25°C	h_{FE}	h_{FE} Ranking code	V_{CE} (V)	Ic (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

TO-247





Darlington transistor Internal circuit

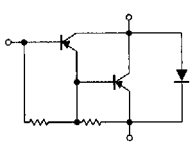


Fig.1

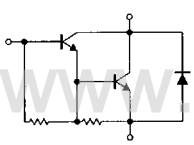


Fig.2

Note : ☆Under development

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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.

2	S	C	4	2	7	8								E

Part No.

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 prefered ☐ D ☐
Multiple rank prefered ☐ 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

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