

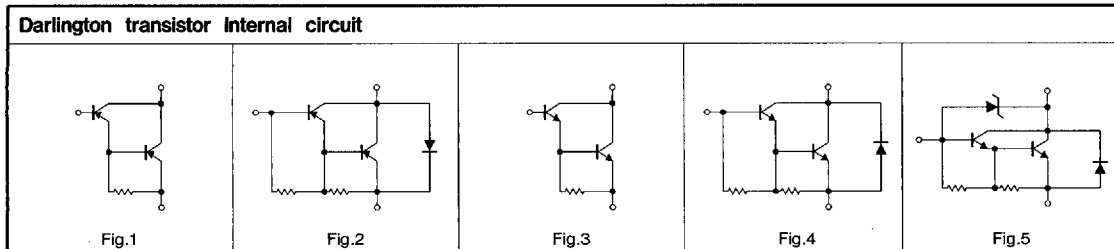
Transistors

CPT • TO-126 • TO-126FP

CPT (SC-59) is also available as automated, surface mount type by adding F5 to the part number (see page 77).
TO-126FP is a direct mounting type, allowing simple assembly without additional insulator.

Application	Package			V _{CEO} (V) **V _{CER}	I _C (A)	I _C Max. (A)	P _C (W) (T _C =25°C)			h _{FE}	h _{FE} Ranking code	V _{CE} (V)	I _C (mA)	Internal circuit
	CPT	TO-126	TO-126FP				CPT	TO-126	TO-126FP					
	Part No.						CPT	TO-126	TO-126FP					
Driver	—	2SB1007	2SB889F	—80	—0.7	—	—	10	5	82~390	P Q R	—3	—100	—
	2SB1182	2SB1009	2SB891F	—32	—2	—	10	10	5	82~390	P Q R	—5	—500	—
	—	2SB1065	—	—50	—3	—	—	10	—	56~390	N P Q R	—3	—500	—
	—	2SB1086	—	—120	—1.5	—	—	10	—	56~390	N P Q R	—5	—100	—
	2SB1275	2SB1086A	—	—160	—1.5	—	10	10	—	56~270	N P Q	—5	—100	—
	2SB1184	—	—	—50	—3	—	15	—	—	82~390	P Q R	—3	—500	—
	2SB1181	—	—	—80	—1	—	10	—	—	82~390	P Q R	—3	—100	—
	2SB1516	—	—	—80	—3	—	10	—	—	56~270	N P Q	—2	—400	—
	2SB1535	—	—	—100	—6	—	10	—	—	56~270	N P Q	—1	—550	—
	—	2SD1378	2SD1200F	80	0.7	—	—	10	5	82~390	P Q R	3	100	—
	2SD1758	2SD1380	2SD1189F	32	2	—	10	10	5	82~390	P Q R	3	500	—
	—	2SD1382	2SD1381F	80	1	2	—	10	5	82~390	P Q R	3	100	—
	2SD1733	—	—	80	1	—	10	—	—	82~390	P Q R	3	500	—
	—	2SD1506	—	50	3	—	—	10	—	56~390	N P Q R	5	100	—
	2SD1760	—	—	50	3	—	15	—	—	82~390	P Q R	3	500	—
	—	2SD1563	2SD2343	120	1.5	—	—	10	5	56~390	N P Q R	5	100	—
	2SD1918	2SD1563A	—	160	1.5	—	10	10	—	56~270	N P Q	5	100	—
Strobe Flash Low V _{CE(sat)}	2SA1834	—	—	—20	—10	—15	10	—	—	120~560	Q R S	—2	—500	—
	2SA1952	—	—	—60	—5	—10	10	—	—	82~270	P Q	—2	—1000	—
	2SB1412	2SB1423	2SB1436	—20	—5	—10	10	10	5	82~390	P Q R	—2	—500	—
	2SC5001	—	—	20	10	15	10	—	—	120~560	Q R S	2	500	—
	2SC5103	—	—	60	5	5	10	—	—	82~270	P Q	2	1000	—
	2SD2118	2SD2147	2SD2166	20	5	10	10	10	5	120~560	Q R S	2	500	—
Chroma	—	2SC3272	2SC3271F	300	0.1	—	—	10	5	39~180	M N P	10	10	—
High h _{FE}	—	—	2SC4137	20	0.1	—	—	—	4	560~2700	U V W	3	10	—
	2SD2318	—	—	60	3	4.5	15	—	—	390~1800	E U V	4	500	—
Darlington Driver	—	2SB1008	2SB786F	—40**	—2	—	—	10	5	1k~	A	—3	—500	Fig.1
	2SB1183	—	—	—40**	—2	—	10	—	—	1k~200k	—	—3	—500	Fig.1
	2SB1316	2SB1272	—	—100	—2	—	10	10	—	1k~10k	—	—2	—1000	Fig.3
	2SB1474	—	—	—80	—4	—	10	—	—	1k~10k	—	—3	—2000	Fig.2
	—	2SD1379	2SD947F	40**	2	—	—	10	5	4k~	—	3	500	Fig.4
	2SD1759	—	—	40**	2	—	10	—	—	1k~200k	—	3	500	Fig.4
	2SD2143	2SD1637	—	60±10	2	—	10	10	—	1k~10k	—	2	1000	Fig.6
	2SD1980	2SD1638	—	100	2	—	10	10	—	1k~10k	—	2	1000	Fig.5
High Voltage SW	2SA1727	2SA1775	—	—400	—0.5	—1	10	10	—	56~270	N P Q	—5	—50	—
	2SA1862	—	—	—400	—2	—4	10	—	—	56~180	N P	—5	—100	—
	2SA1807	—	—	—600	—1	—2	10	—	—	56~180	N P	—5	—100	—
	☆2SC5161	—	—	400	2	4	10	—	—	16~ 50	A B	5	100	—
	☆2SC5162	—	—	600	1	2	10	—	—	56~180	N P	5	100	—

Note : ☆Under development

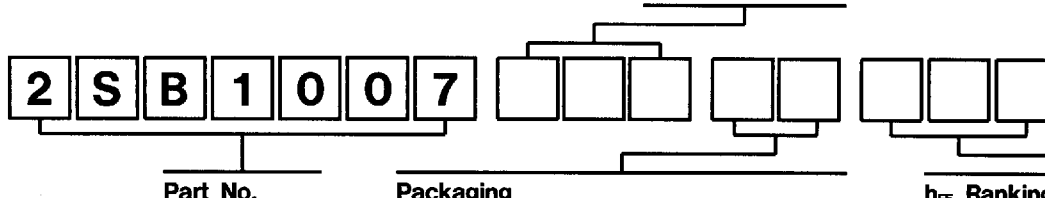


●Product Designation

- 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)
CPT	None	Bulk	1,000
TO-126	None	Bulk	1,000
TO-126FP	None	Bulk	1,000

h_{FE} Ranking code

Input h_{FE} rank signal display

One rank preferred ☒ P ☐

Multiple rank preferred ☒ P ☒ R

(Min., Max. is displayed)

Code	h _{FE} Range
L	27~56
M	39~82
N	56~120
P	82~180
Q	120~270
R	180~390
S	270~560
E	390~820
U	560~1200
V	820~1800
W	1200~2700
A	1k~
B	5k~
C	10k~

Transistors

Transistors

The Class and Basic ordering units for Standard and Special Products Units

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(Unit : mm)

CPT (D PAK)	(1) Base (2) Collector (3) Emitter	(1) Emitter (2) Collector (3) Base
TO-126FP	(1) Emitter (2) Collector (3) Base	