

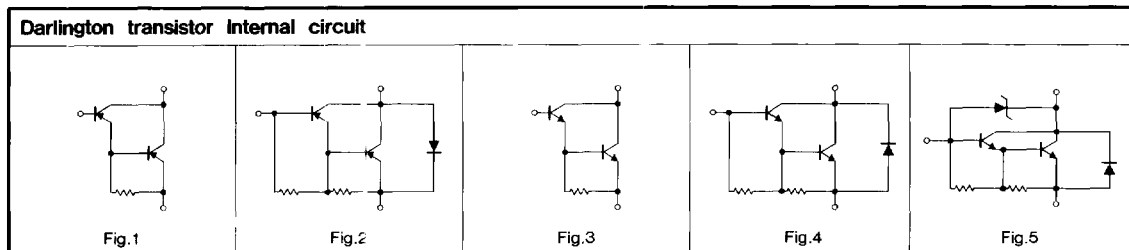
# Transistors

## 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 <sub>CEO</sub> (V) **V <sub>CER</sub>	I <sub>c</sub> (A)	I <sub>c</sub> Max. (A)	P <sub>c</sub> (W) (T <sub>c</sub> =25°C)			h <sub>FE</sub>	h <sub>FE</sub> Ranking code	V <sub>CE</sub> (V)	I <sub>c</sub> (mA)	Internal circuit
	CPT	TO-126	TO-126FP				CPT	TO-126	TO-126FP					
	Part No.													
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 <sub>CE(sat)</sub>	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 <sub>FE</sub>	-	-	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

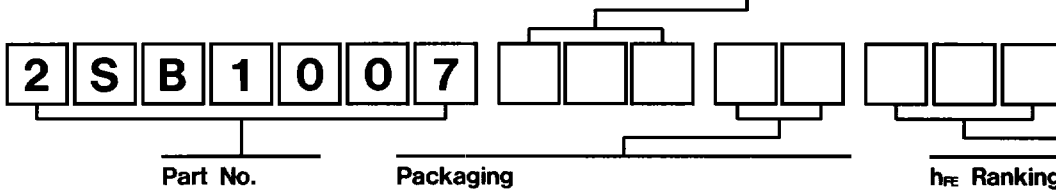


## ●Product Designation

- 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.



Part No.

Packaging

Package	Code	Package specifications	Quantity /Package (pcs)
CPT	None	Bulk	1,000
TO-126 TO-126FP	None	Bulk	1,000

h<sub>FE</sub> Ranking code

Input h<sub>FE</sub> rank signal display

One rank preferred  P

Multiple rank preferred  P  R

(Min., Max. is displayed)

Code	h <sub>FE</sub> 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

T-1000

The Class and Basic ordering units for Standard and Semi-Standard Products Units

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(Unit : mm)

