

## General-Purpose Transistors

Sanyo general-purpose transistors are designed to meet every high-performance requirement.

They have wide application. They are easy to use because of large current capacity and wide ASO.

### dc Small-signal Transistors.

(\*:Tc=25°C). ( ):Marking on CP,MCP Package. For PNP, (-)sign is omitted.

Type No.	Package	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics/Ta=25°C								
		V <sub>CBO</sub> (V)	V <sub>CEO</sub> (V)	I <sub>C</sub> (A)	P <sub>C</sub> (W)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	h <sub>FE</sub>	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	f <sub>T</sub> (MHz)	I <sub>C</sub> (mA)	I <sub>B</sub> (mA)	V <sub>CE(sat)</sub> max (V)
2SB632/K 2SD612/K	TO-126	25/35	25/35	2	1	2	500	60 ~ 320	10	50	100	1500	150	0.9 0.8
2SB1142 2SD1682	TO-126 ML	60	50	2.5	1.5		100	100 ~ 400 100 ~ 560		50	140	1000	50	0.5 0.3

h F E Rank Classification.

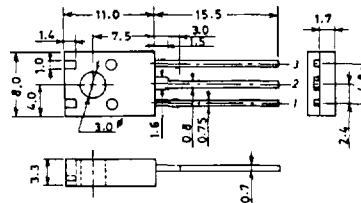
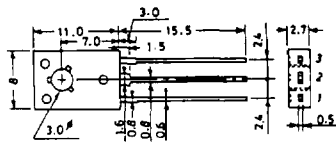
100 R 200	140 S 280	200 T 400	280 U 560	60 D 120	100 E 200	160 F 320
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Case Outlines(unit:mm)

1:Emitter,2:Collector,3:Base

SANYO:TO-126

SANYO:TO-126ML



### dc Large-Signal Transistors

For PNP, (-)sign is omitted.

Type No.	Package	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics/Ta=25°C								
		V <sub>CBO</sub> (V)	V <sub>CEO</sub> (V)	I <sub>C</sub> (A)	P <sub>C</sub> Tc=25°C (W)	V <sub>CE</sub> (V)	I <sub>C</sub> (A)	h <sub>FE</sub>	V <sub>CE</sub> (V)	I <sub>C</sub> (A)	f <sub>T</sub> typ (MHz)	I <sub>C</sub> (A)	I <sub>B</sub> (A)	V <sub>CE(sat)</sub> max (V)
2SB1346 2SD2027	TO-220	60	60	3	30	5	0.5	70 ~ 280	5	0.5	40	2	0.2	1.0
2SB1273 2SD1912					30	5	0.5	70 ~ 280			100			
2SB1133 2SD1666	TO-220	60	60	3	25	5	0.5	70 ~ 280	5	0.5	40	2	0.2	1.0
2SB1274 2SD1913	ML				20	5	0.5	70 ~ 280			100			

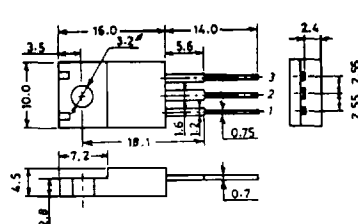
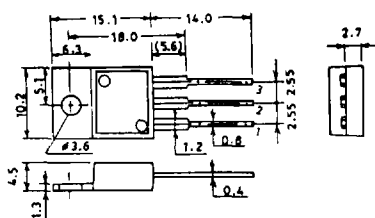
h F E Rank Classification.

70 Q 140	100 R 200	140 S 280
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Case Outlines(unit:mm) 1:Base,2:Collector,3:Emitter

SANYO:TO-220

SANYO:TO-220ML



These specifications are subject to change without notice.