

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.

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 _{CBO} (V)	V _{CEO} (V)	I _C (A)	P _C (W)	V _{CE} (V)	I _C (mA)	h _{FE}	V _{CE} (V)	I _C (mA)	f _T (MHz)	I _C (mA)	I _B (mA)	V _{CE(sat)} max (V)	
2SA1622(M) 2SC4211(L)	MCP	55	50	0.15	0.15	6	1	135 ~ 600	6	10	180 200	50	5	0.4	
2SA1781(GS) 2SC4639(VT)	CP				0.2			135 ~ 600							180 200
2SA1782 2SC4640	SPA				0.3			140 ~ 560							180 200
2SA1783 2SC4641	NP				0.5			140 ~ 560							180 200
2SB632/K 2SD612/K	TO-126	25/35	25/35	2	1 *10	2	500	60 ~ 320	10	50	100	1500	150	0.9 0.8	
2SB1142 2SD1682	TO-126 ML	60	50	2.5	1.5 *10		100	100 ~ 400 100 ~ 560		50	140	1000	50	0.5 0.3	

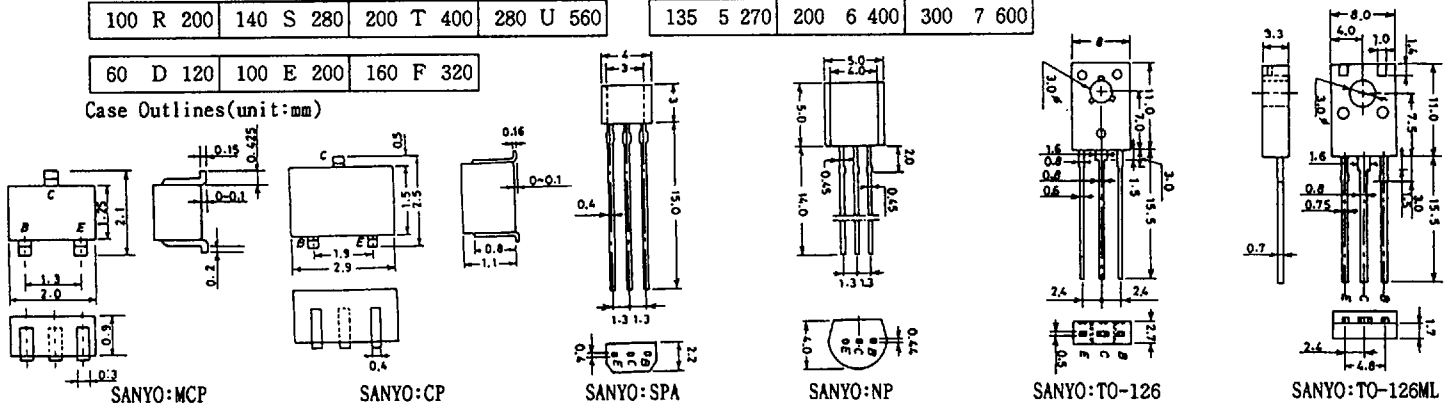
h F E Rank Classification.

CP, MCP Type.

100 R 200	140 S 280	200 T 400	280 U 560	135 5 270	200 6 400	300 7 600
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60 D 120	100 E 200	160 F 320
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Case Outlines(unit:mm)



Large-Signal Transistors

For PNP, (-)sign is omitted.

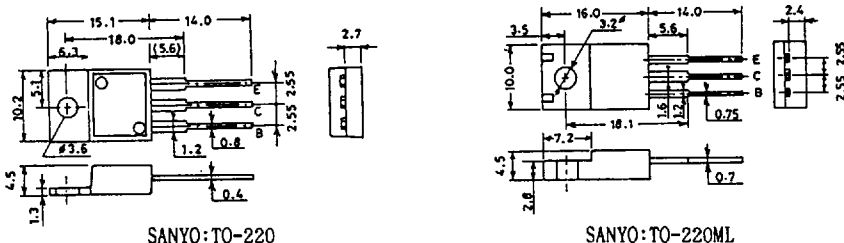
Type No.	Package	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics/Ta=25°C									
		V _{CBO} (V)	V _{CEO} (V)	I _C (A)	P _C Tc=25°C (W)	V _{CE} (V)	I _C (A)	h _{FE}	V _{CE} (V)	I _C (A)	f _T typ (MHz)	I _C (A)	I _B (A)	V _{CE(sat)} max (V)	
2SB507 2SD313	TO-220	60	60	3	30	2	1	40 ~ 320	5	0.5	8	2	0.2	1.0	
2SB1346 2SD2027					30	5	0.5	70 ~ 280							40 8
2SB1273 2SD1912					30	5	0.5	70 ~ 280							40 8
2SB1133 2SD1666	TO-220	60	60	3	25	5	0.5	70 ~ 280	10	100	40 8	2	0.2	1.0	
2SB1274 2SD1913	ML				20	5	0.5	70 ~ 280							

h F E Rank Classification.

40 C 80	60 D 120	100 E 200	160 F 320	70 Q 140	100 R 200	140 S 280
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Case Outlines(unit:mm)

E:Emitter
C:Collector
B:Base



These specifications are subject to change without notice.