

Large-signal Transistors

(For high-frequency, high-voltage and general purpose use)

We have other large-signal transistors which were not included in any classified types nor packages in this document. They are for high frequency, high voltage and general purpose use, and are shown below.

High-frequency transistors Ta=25°C

For PNP (-) sign is omitted.

Type No.	Package	Main use	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics/Ta=25°C										
			V _{CBO}	V _{CEO}	I _C	P _C	V _{CE}	I _C	h _{FE}		V _{CE}	I _C	f _T typ (MHz)	I _C	I _B	V _{CE(sat)}	
			(V)	(V)	(A)	(W)			min	max						(V)	(A)
2SC2078	TO-220	27MHz HF power amp	80	45	3	*10	5	0.5	25	~200	10	0.1	150	1	0.1	0.15	0.6

High-voltage transistors

Related Type No. (TO-220MF)

2SC4572	TO-220	High voltage amp High voltage switching	800	800	20m	1.75	5	2m	20	~50	10	2m	40	10m	2m	1	2SC4493
2SC4578			1700	900	50m	1.75	5	2m	20	~120	10	2m	6	5m	1m	5	2SC4030
2SC4579			2000	900	20m	1.75	5	1m	20	~120	10	1m	6	2m	0.4m	5	2SC4031

In addition to these, TO-220MFs are available. see the table.

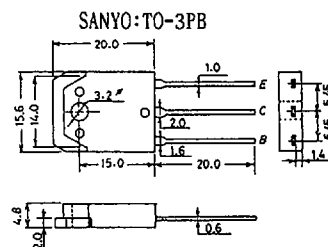
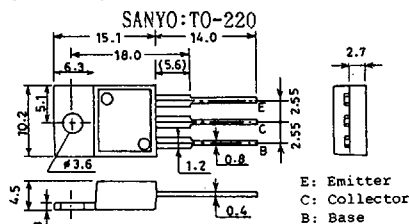
General purpose transistors

2SA1011 2SC2344	TO-220	High voltage SW AF 100W driver	180	160	1.5	*25	5	0.3	60	~200	10	50m	100	0.5	50m	0.5	0.3
2SB511 2SD325		LF power amp	35	35	1.5	*10	2	1	40	~320	5	0.5	8	1.5	0.15	1	
2SB514 2SD330			50	50	2	*20	2	1	40	~320	5	0.5	8	2	0.2	1	
2SB633 2SD613		High voltage SW AF 25-35W output	100	85	6	*40	5	1	40	~320	5	1	15	4	0.4	2	
2SB775 2SD895	TO-3PB	AF 35W output	100	85	6	*60	5	1	60	~200	5	1	18	4	0.4	1.4	2
2SB776 2SD896		AF 40W output	120	100	7	*70	5	1	60	~200	5	1	15	4	0.4	0.9	2
2SB816 2SD1046		AF 50W output	150	120	8	*80	5	1	60	~200	5	1	15	5	0.5	1	2
2SB817 2SD1047		AF 60W output	160	140	12	*100	5	1	60	~200	5	1	15	5	0.5	1.1	2.5

hFE rank classification

25	B	50	40	C	80	60	D	120	100	E	200	160	F	320
----	---	----	----	---	----	----	---	-----	-----	---	-----	-----	---	-----

Case Outline (unit:mm)



These specifications are subject to change without notice.