

## Small-signal Transistors

(For low noise, high voltage and general use)

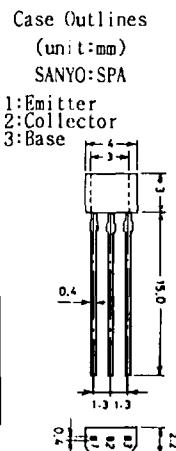
We have other small-signal transistors which are not included in any classified types nor packages in this document. They are for low noise, high voltage and general use.

We have high voltage/general purpose transistors of various packages. See the tables.

## dc Low noise amp transistors \*:Tc=25°C

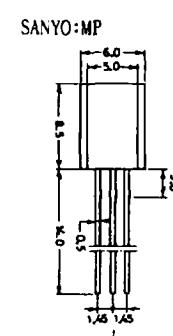
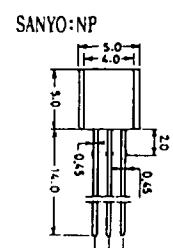
For PNP (-) sign is omitted.

Type No.	Package	Main use	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> typ (MHz)	I <sub>C</sub> typ (mA)	I <sub>B</sub> typ (mA)	V <sub>CE(sat)</sub> typ (V)
2SA1016, K (with K)	NP	High voltage low noise amp	120 150	100 120	50m	0.4	6	1	160~960	6	1	110 130	10	1	0.5
2SC2362, K		LF low noise amp	60	50	0.2	0.4	6	1	100~560	6	10	200 250	100	10	0.3
2SA1391 2SC3382															

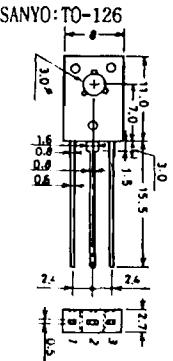


## dc High-voltage transistors

2SA1207 2SC2909	NP	High voltage switching	180	160	70m	0.6	5	10	100~400	10	10	150	30	3	0.14 0.4 0.08 0.3	
2SA1319 2SC3332			180	160	0.7	0.7	5	100	100~400	10	50	120	250	25	0.2 0.5 0.12 0.4	
2SA1699 2SC4002		High voltage drive	400	400	0.2	0.6	10	50	60 ~ 200	30	10	70	50	5	0.8 0.6	
2SA1208 2SC2910	MP	High voltage switching	180	160	70m	0.9	5	10	100~400	10	10	150	30	3	0.14 0.4 0.08 0.3	
2SA1209 2SC2911			180	160	0.14	*10	5	10	100~400	10	10	150	50	5	0.14 0.4 0.07 0.3	
2SA1248 2SC3116	TO-126		180	160	0.7	*10	5	100	100~400	10	50	120	250	25	0.2 0.5 0.12 0.4	
2SA1249 2SC3117			180	160	1.5	*10	5	100	100~400	10	50	120	500	50	0.12 0.5 0.13 0.45	



EIAJ : SC-51



## dc General purpose transistors

2SA1683 2SC4414	SPA	LF drive	100	80	0.5	0.3	5	50	100~400	10	10	120	400	40	0.20 0.5 0.16 0.5
2SA1392 2SC3383	NP	LF power amp	60	50	0.2	0.4	6	1	100~560	6	10	200 250	100	10	0.3
2SA1450 2SC3708		LF drive	100	80	0.5	0.6	5	50	100~400	10	10	120	400	40	0.2 0.5 0.16 0.5
2SB631, K 2SD600, K	TO-126	LF power amp	100, 120	1	*8	5	50	60 ~ 320	10	50	110 130	500	50	50	0.15 0.4
2SB632, K 2SD612, K			25, 35	2	*10	2	500	60 ~ 320	10	50	100	1500	150	50	0.4 0.9 0.3 0.8

These specifications are subject to change without notice.