

## CP(Chip Pack)Transistors

We have a full lineup of Chip Pack (package: CP) transistors that are very small-sized, can be applied to various uses, and excel in reliability, quality stability. They are the same except collector dissipation (PC max), as those placed in the packages heretofore in use. Various packings of devices are available to meet automatic mounting requirements, facilitating high-density mounting.

\* In addition to the undermentioned, transistors (package: CP) with resistance and FETs very high-frequency are available.

(For PNP, minus sign is omitted.)

Type No.	Main Use	Absolute Maximum Ratings/Ta=25°C			Electrical Characteristics/Ta=25°C									Marking	Related Type No.
		V <sub>CEO</sub> (V)	I <sub>C</sub> (mA)	P <sub>C</sub> (mW)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	h <sub>FE</sub>	I <sub>C</sub> (mA)	I <sub>B</sub> (mA)	V <sub>CE(sat)</sub> typ (V)	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	f <sub>T</sub> (MHz)		
2SA1781 2SC4639	AF amp	50	150	200	6	1	135~600	50	5	0.11 0.08	6	10	180 200	G S V T	2SA1622 2SC4211
2SA1753 2SC4577	Low-voltage, high-current amp ●:With Damper Diode	15	500	200	2	10	135~600	5	0.5	15m	2	50	400 300	E S U T	2SA1745 2SC4555
2SA1839		10	100	250	2	5	200~600	10	1	0.04	5	10	600	L S	2SA1838
2SA1881 2SC4983		15	1000	250	2	50	135~600	5	0.5	10m	2	50	300 200	I S K N	2SA1882 2SC4984
2SB815 2SD1048		15	700	200	2	50	200~600 200~900	5	0.5	15m 10m	10	50	250	B X	2SB808 2SD1012
2SB1295 2SD1935		15	800	200	2	50	135~600 135~900	5	0.5	10m	2	50	300 200	U L C T	2SB1296 2SD1936
2SB1527 2SD2324		15	800	200	2	500	min 70	500	10	0.2 0.16	2	500	250 150	N S B N	-
2SD2028		Low-voltage amp contains Zener Diode across C and B	11±3	700	200	2	50	200~900	100	10	50m	2	50	200	L T
2SA1252 2SC3134	AF amp	50	150	200	6	1	90 ~600	50	5	max0.5	6	1	100	D H	2SA1687 2SC4446
2SA1434 2SC3689	AF amp High-hFE	50	100	200	5	10	500~1200 800~3200	50	1	0.2 0.1	10	10	100 200	F L G Y	-
2SA1814		25	150	200	5	1	500~1200	50	1	0.15	10	10	210	K S	2SA1813
2SC3661		25	300	200	5	10	800~3200	200	4	max0.5	10	10	250	F Y	2SC3068
2SC4695		20	500	250	5	10	300~1200	100	2	0.12	10	10	250	W T	2SC4694
2SC4852		15	100	250	2	5	800~3200	10	1	14m	5	10	240	Y T	2SC4851
2SA1256	HF amp	20	30	150	6	1	60 ~270	-	-	-	6	1	230	E	2SA1177
2SC2814		20	30	150	6	1	40 ~270	-	-	-	6	1	320	F	2SC2839
2SC3142		20	30	150	6	1	40 ~180	-	-	-	6	4	750	J	2SC2999
2SA1815 2SC4432		15 18	50	250	10	5	60 ~270	10	1	0.1 max0.2	10	5	750	I S R T	2SA1857 2SC4400
2SA1257 2SC3143	High-voltage switching	160	80	200	5	10	60 ~270	30	3	max0.7	10	10	130 150	G K	2SA1047 2SC2441
2SA1682 2SC4412	High-voltage driver CTV chroma output	300	50	250	6	0.1	100~320	10	1	1.0	30	10	70	C S Q T	-
2SA1331 2SC3361	High-speed switching	50	150	150	6	1	90 ~400	10	1	0.1	6	1	100	O S	- 2SC2960
2SA1338 2SC3392		50	500	200	5	10	100~560	100	10	0.15 0.10	10	50	200 300	A L A Y	2SA1339 2SC3393
2SA1607 2SC4168		20	150	200	1	10	60 ~180 60 ~270	10	1	0.07 0.08	10	10	400 700	Y L G T	2SA1685 2SC4443
2SA1728 2SC4519		40 45	500	200	2	50	70 ~280 100~400	200	10	0.2 0.15	2	50	350	D S T T	- -
2SA1764 2SC4453		15 40	200	200	1	10	50 ~140 50 ~200	10	1	0.07 0.13	10	10	1000 750	F S S T	2SA1763 2SC4452
2SB1234 2SD1851		Various drivers	50	200	200	2	10	typ5000	100	100	0.9	-	-	-	P L X Y
2SA1580 2SC4104	TV, CRT display video output	60	50	200	10	10	60 ~270	20	2	max0.6 max0.5	10	10	700	Q L Y Y	2SA1433 2SC3504

\* hFE Rank Classification (under the above-mentioned conditions)

100	4	200	160	5	320
-----	---	-----	-----	---	-----

50	2	100	70	3	140	100	4	200	140	5	280	200	6	400	280	7	560
----	---	-----	----	---	-----	-----	---	-----	-----	---	-----	-----	---	-----	-----	---	-----

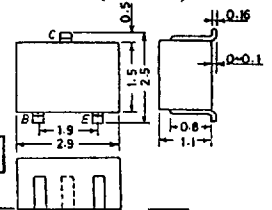
40	2	80	60	3	120	90	4	180	135	5	270	200	6	400	300	7	600	450	8	900
----	---	----	----	---	-----	----	---	-----	-----	---	-----	-----	---	-----	-----	---	-----	-----	---	-----

These specifications are subject to change without notice.

SANYO electric Co., Ltd., Semiconductor Business Headquarters, TR Division.

Case Outline(unit:mm)

E: Emitter  
C: Collector  
B: Base



MT930617TR