

Transistors (Selection Guide by Applications and Functions)

■ Silicon Medium Power Transistors (continued)

Application Functions	Package (No.)								V _{CEO} (V)	I _C (A)	V _{CE(sat)}			h _{FE} (MHz)	I _C * I _E (A)
	U Type (D41)	TO-126 (D52※, D53)	MT2L Type (D44)	MT3 Type (D45)	MT4 Type (D46)	TO-202 (D54)	TO-220(a) (D56)	TO-220F (D59)			typ. (V)	I _C (A)	I _B (mA)		
General-use low freq. amplifier (continued)							2SC1398A		50/70	2	0.6	1.0	100	50 ~160	1
	△ 2SB1573 △ 2SD2407		(2SB1543 2SD2363)	(2SB1416 2SD2136)	(2SB1417 2SD2137)			(2SB941/A 2SD1266/A)	60	3	<1.2	3.0	375	40 ~250	1
					2SB1553				60	3	<1	2.0	50	300 ~700	0.5
			(2SB1544 2SD2364)						80	1	<0.3	0.5	50	120 ~340	0.1
		(2SA794/A 2SC1567/A)							100/120	0.5	0.2	0.5	50	65 ~330	0.15
				(2SB1439 2SD2183)					100	2	<0.3	1.0	50	120 ~340	0.2
			(2SB1545 2SD2365)						150	1	<0.3	0.5	25	120 ~340	0.5
				2SD2341					180	2	<1	0.5	50	60 ~240	0.15
	△ 2SD2412							300	0.75	<1	1.0	200	40 ~250	0.3	
Audio drive		(2SA1110 2SC2590)							120	0.5	1.0	0.3	30	65 ~330	0.15
				(2SB1414 2SD2134)			(2SA1111/2 2SC2592)	(2SA1535/A 2SC3944/A)	150/180	1	0.5	0.5	50	90 ~330	0.15
Low V _{CE(sat)}	2SB967								18	5	<1	3	100	90 ~625	2
		(2SA900 2C1568)							18	1	0.3	1.0	50	90 ~360	0.5
				△ 2SB1593					20	3	0.3	2.6	40	—	—
		2SC2594 *							20	5	0.7	3.0	100	140 ~450	0.15
			2SB1536						20	5	<1.0	3.0	100	90 ~625	2
Pre-amp.		(2SA914 2SC1953)							150	0.05	<1.0	0.03	3.0	90 ~450	0.01
Darlington		2SD946/A/B		2SD2220 (80V)					30/60/ 100	1	<1.8	1.0	1	4000 ~40000	1
	2SD2404								80	1.5	<1.8	1.0	1	4000 ~40000	1
				2SB1526	(2SB1418 2SD2138)			(2SB949 2SD1275)	60	2	<2.5	2.0	8	1000 ~10000	2
				2SB1504					60	8	<1.5	4	8	1000 ~10000	4
		2SD1640		△ 2SD2479					100	2	<1.5	1.0	1	4000 ~40000	1
		2SD1645						2SD2051	60 ±10	1	<1.8	1.0	1	4000 ~40000	1
		2SD2018	2SD2326	2SD2135					60 ±10	1	<1.8	1.0	1	6500 ~40000	1
		△ 2SB1576							100	2	<2.5	1	4	1000 ~10000	1
		△ 2SD2410													
		△ 2SD2411							200	2	<2.5	1.5	6	1000 ~10000	0.7
					2SD2242/A			2SD1276/A	60/80	4	<2.0	3.0	12	1000 ~10000	3
				2SD2530				100	5	<2.5	4.0	16	1000 ~10000	2	
High breakdown voltage		(2SA914 2SC1953)							150	0.05	<1.0	0.03	3	90 ~450	0.01
		2SB1011							400	0.1	<2.5	0.05	5	30 ~	0.03
			2SB1546						400	0.5	<1.5	0.2	40	80 ~280	0.05
			2SD2366						400	0.5	<1.5	0.25	50	30 ~	0.03
		(2SA1949 2SC5222)							500	0.5	<1	0.25	50	20 ~500	0.01
		(2SA1950 2SC5223)							500	1.0	<1	0.5	100	20 ~500	0.01
		(2SA1951 2SC5224)							500	2.0	<1	1.0	200	20 ~500	0.01
		2SC5221							500	0.2	<1	0.1	20	20 ~500	0.01
Display		2SC3611						2SC3943	V _{CEO} 110	0.15	<0.5	0.15	15	●350	* 0.11
								2SC4190	40	0.3	<0.3	0.05	5	●2000	* 0.05

△ Preliminary (: Complementary pair