

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)			V _{CE(sat)} 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						200	2	<2.5	1.5	6	1000 ~ 10000	0.7	
		△ 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