■ Silicon Small Signal Transistors

● General-use Low Frequency Amplifiers and Others

Application Functions	Package (No.) SS Mini Type (D1)	S Mini Type (D5)	Mini Type (D10)	T Mini Type (D19)	New S Type (D39)	TO-92 (D49)	M Type (D40)	TO-92NL (D51)	TO-92L (D50)	Mini Power Type (D16)	MT1 Type (D42)	MT2 Type (D43)	V_{CEO} V_{CES} [1] (V)	I_C (mA)	f_T (MHz) ●h_{FE} ＊NV(mV) ※V_{CE} (V)	f_T (MHz) I_E ＊I_C (mA)
General-use low freq. amplifier	2SB1462 2SD2216	2SB1218A 2SD1819A	2SB709A 2SD601A	2SB1627 2SD2496	2SA1309A 2SC3311A		2SB642 2SD637				2SB1320A 2SD1991A		50	100	●160～460	＊2
		2SB1219/A 2SD1820/A	2SB710/A 2SD602/A	△2SB1582 ◎2SD2432	2SB1030/A 2SD1423/A	2SA719/720 2SC1317/1318	2SB643/644△ 2SD638/639△	2SA1619/A 2SC4208/A			2SB1321A△ 2SD1992A△	2SB1377 2SD2071	25/50	500	● 85～340	＊150 △＊10
						2SA720A 2SC1318A	2SA1762 2SC4606	2SA1533 2SC3939	2SA777 2SC1509	2SB767 2SD875			70	500	●130～330 (e.g.)	＊150
					2SB1597 2SD2455	2SB621/A 2SD592/A	2SD973/A	2SA1534/A 2SC3940/A	2SA683/684 2SC1383/1384	2SB766/A 2SD874/A		2SB1322A 2SD1994A	25/50	1A	● 85～340	＊500
	2SA1791 2SC4656	2SA1748 2SC4562											50	50	●200～500 (f_T 250)	＊2
										2SB1440 2SD2185		2SB1434 2SD2177	50	2A	●120～340	＊200
												2SB1446 2SD2179	50	5A	●120～340	＊500
							2SB819 2SD1051			2SB1599 2SD2457		2SB1598 2SD2456	40	1.5A	● 80～220	＊1A
										2SA1890 2SC5026		2SA1674 2SC4391	80	1A	●120～340	＊100
										2SB1600 2SD2458			100	1A	●120～340	＊100
												2SB1438	100	2A	●120～340	＊200
										2SC4543			100 (V_{CER})	150	300	10
										2SB1601 2SD2459		2SD2184	150	1A	●120～340	＊100
High -h_{FE} (High V_{EBO})						2SB774							25	100	V_{EBO} :15V	＊0
	2SD2345	2SD1823	2SD1030	△2SD2433	2SD1424	2SD1010	2SD1199				2SD1995		40	50	●400～2000	＊2
					2SD2460		2SD1458					2SD2259	20	700	●1000～2500	＊150
						2SC2925							50	700	●400～1000	＊150
		2SD1824	2SD1149		2SD1512	2SD1011							100	20	●400～2000	＊2
Darling-ton			2SD1478/A	△2SD2434		2SD892/A	2SD1205/A						25/50	500	●2000～2000	＊500
						2SD893/A	2SD1198/A			2SD1511		2SD2258	25/50	1A	●4000～4000	＊1A
												2SD2067	100	2A	●4000～4000	＊1A
Low freq. low noise amplifier					2SB1036 2SD1449	2SA921 2SC1980	2SB788 2SD958						120	20	＊150	—
	2SB1463 2SD2240/A	2SB1220 2SD1821/A	2SB792/A 2SD814/A	△2SB1583	2SA1816 2SC4715	2SA1123 2SC2631			2SA1124 2SC2632				150/ 185	50	＊150	—
		2SA1531/A 2SC3929/A	2SA1034/1035 2SC2405/2406		2SA1310 2SC3312	2SA1127 2SC2634	2SB745/A 2SD661/A				2SD1993		35/55	50	＊150	—
Low $V_{CE(sat)}$			2SB970	△2SB1585	2SB1207								10	500	※＜0.3	＊400
			2SD1328	△2SD2436	2SD1450	2SD1302	2SD1330			2SD2210	2SD1996	2SD2074	20	500	※＜0.4	＊500
			2SB779	△2SB1584	2SA1512	2SA1128	2SB790				2SB1378		20	500	※＜0.4	＊500
		2SD1979		2SD2529									20	300	V_{EBO} :25V ●500～2500	＊4
		△2SB1618 △2SD2482											10	500	※＜0.17	＊250

Transistors (Selection Guide by Applications and Functions)