■ 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 (D12)	T Mini Type (D22)	New S Type (D34)	TO-92 (D46)	M Type (D35)	TO-92NL (D48)	TO-92L (D47)	Mini Power Type (D19)	MT1 Type (D37)	MT2 Type (D38)	V_{CEO} V_{CES}[1] (V)	I_C (mA)	f_T (MHz) ●h_{FE} * NV(mV) ※ V_{CE} (V)	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			2SD1205/A						25/50	500	●2000 ~2000	* 500
							2SD1198/A			2SD1511		2SD2258	25/50	1A	●4000 ~4000	* 1A
												2SD2067	100	2A	●4000 ~4000	* 1A
Low freq. low noise amplifier					2SB1036	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				2SB1651 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

△Tentative (: Complementary pair