

Transistors (Selection Guide by Applications and Functions)

■ Silicon Small Signal Transistors

● General-use Low Frequency Amplifiers and Others

Applica- tion Functions	Package (No.)										V _{CE0} V _{CEs} ¹⁾ (V)	I _C (mA)	f _r (MHz)	
	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)	● f _{rFE} * NV(mV) * V _{CE} (V)	I _E * I _C (mA)
General- use low freq. ampli- fier	(2SB1462 2SD2216)	(2SB1218A 2SD1819A)	(2SB709A 2SD601A)	(2SB1627 2SD2496)	(2SA1309A 2SC3311A)		(2SB642 2SD637)				(2SB1320A 2SD1991A)		● 160 ~ 460 * 150 * 150	* 2
		(2SB1219A 2SD1820A)	(2SB710A 2SD602A)	(2SB1582 2SD2432)	(2SB1030A 2SD1423A)	(2SA719/720 2SC1317/1318)	(2SB643/644 2SD638/639)	(2SA1619A 2SC4208A)			(2SB1321A 2SD1992A)	(2SB1377 2SD2071)	● 85 ~ 340 * 150 * 150	* 150
					(2SB1597 2SD2455)	(2SA720A 2SC1318A)	(2SA1762 2SC4606)	(2SA1533 2SC3939)	(2SA777 2SC1509)	(2SB767 2SD875)			● 130 ~ 330 (e.g.)	* 150
						(2SB621A 2SD592A)	(2SA973A 2SD592A)	(2SA1534A 2SC3940A)	(2SA1383/1384 2SC1383/1384)	(2SB766A 2SD874A)	(2SB1322A 2SD1994A)		● 85 ~ 340 * 500	* 500
	(2SA1791 2SC4656)	(2SA1748 2SC4562)											● 200 ~ 500 (f _r 250)	* 2
										(2SB1440 2SD2185)		(2SB1434 2SD2177)	● 120 ~ 340 * 200	* 200
											(2SB1446 2SD2179)		● 120 ~ 340 * 500	* 500
							(2SB819 2SD1051)			(2SB1599 2SD2457)	(2SB1598 2SD2456)		● 80 ~ 220 * 1A	* 1A
										(2SA1890 2SC5026)	(2SA1674 2SC4391)		● 120 ~ 340 * 100	* 100
										(2SB1600 2SD2458)			● 120 ~ 340 * 100	* 100
													● 120 ~ 340 * 200	* 200
High -freq. (High V _{CEO})	2SD2345	2SD1823	2SD1030	2SD2433	2SD1424 2SD2460	2SD1010	2SD1199 2SD1458					2SD2184	● 120 ~ 340 * 100	* 100
						2SB774							● 120 ~ 340 * 100	* 100
													● 120 ~ 340 * 100	* 100
													● 120 ~ 340 * 100	* 100
Darling- ton		2SD1824	2SD1149		2SD1512	2SD1011							● 120 ~ 340 * 100	* 100
			2SD1478A	2SD2434		2SD892A 2SD893A	2SD1205A 2SD1198A			2SD1511		2SD2258	● 120 ~ 340 * 100	* 100
												2SD2067	● 120 ~ 340 * 100	* 100
													● 120 ~ 340 * 100	* 100
Low freq. low noise ampli- fier	(2SB1463 2SD2240A)	(2SB1220 2SD1821A)	(2SB792A 2SD814A)	△ (2SB1583)	(2SA1816 2SC4715)	(2SA921 2SC1980)	(2SB788 2SD958)		(2SA1124 2SC2632)				● 120 ~ 340 * 100	* 100
		(2SA1531A 2SC3929A)	(2SA1034/1035 2SC2405/2406)		(2SC3312)	(2SC2634)	(2SB745A 2SD661A)				2SD1993		● 120 ~ 340 * 100	* 100
			2SB970	△ (2SB1585)	2SB1207								● 120 ~ 340 * 100	* 100
			2SD1328	△ (2SB2436)	2SD1450	2SD1302	2SD1330			2SD2210	2SD1996	2SD2074	● 120 ~ 340 * 100	* 100
Low V _{CE(sat)}			2SB779	△ (2SB1584)	2SA1512	2SA1128	2SB790				2SB1378		● 120 ~ 340 * 100	* 100
		2SD1979		2SD2529									● 120 ~ 340 * 100	* 100
													● 120 ~ 340 * 100	* 100
		△ (2SB1618 2SD2482)											● 120 ~ 340 * 100	* 100