

## Power Bipolar Transistors

## Cross reference list

**"PHILIPS TYPE" REFERS TO CLOSEST PHILIPS ALTERNATIVE OR DIRECT EQUIVALENT IF AVAILABLE.**

Always consider the application and compare data specifications before recommending suitable Philips type

TYPE	MANUFACTURER	PHILIPS TYPE
2SC4589	HITACHI	BU4525AF
2SC4692	HITACHI	BU4530AL
2SC4742	HITACHI	BU2508DW
2SC4743	HITACHI	BU4508AX
2SC4744	HITACHI	BU4508DF
2SC4745	HITACHI	BU4515AF
2SC4746	HITACHI	BU4523AF
2SC4746A	HITACHI	BU4523AF
2SC4747	HITACHI	BU4540AL
2SC4789	HITACHI	BU4550AL
2SC4796	HITACHI	BU2727AF
2SC4797	HITACHI	BU2727AF
2SC4877	HITACHI	BU4523DF
2SC4879	HITACHI	BU2727AF
2SC4880	HITACHI	BU4730AL
2SC4897	HITACHI	BU4550AL
2SC4927	HITACHI	BU4522DF
2SC4928	HITACHI	BU4550AL
2SC4962	HITACHI	BU2727DF
2SC4963	HITACHI	BU2727DF
2SC5058	HITACHI	BU4730AL
2SC5067	HITACHI	BU4522AF
2SC5068	HITACHI	BU4523AF
2SC5105	HITACHI	BU4530AL
2SC5132A	HITACHI	BU4508DF
2SC5133	HITACHI	BU4515DX
2SC5207	HITACHI	BU4522AF
2SC5207A	HITACHI	BU4522AF
2SC5219	HITACHI	BU2727DF
2SC5250	HITACHI	BU4508DF
2SC5251	HITACHI	BU4522AF
2SC5252	HITACHI	BU4525AF
2SC5286	HITACHI	BU2727AF
2SC5306	HITACHI	BU4540AL
2SC5326	HITACHI	BU4508AF
2SC5427	HITACHI	BU4522AF
2SC5447	HITACHI	BU4507AF
2SC5448	HITACHI	BU4515AF

## Power Bipolar Transistors

## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
2SD2293	HITACHI	BU4505DX
2SD2294	HITACHI	BU4505AX
2SD2295	HITACHI	BU2508DW
2SD2296	HITACHI	BU4508AX
2SD2297	HITACHI	BU2508DW
2SD2298	HITACHI	BU4508AX
2SD2299	HITACHI	BU4505DF
2SD2300	HITACHI	BU4508DF
2SD2301	HITACHI	BU4508AF
2SD2311	HITACHI	BU4508AF
2SD2381	HITACHI	BU4505AF
2SC5440	MATSUSHITA	BU4525AX
2SC5456	MATSUSHITA	BU4530AL
2SC5478	MATSUSHITA	BU2727AX
2SC5513	MATSUSHITA	BU4522AX
2SC5514	MATSUSHITA	BU4523AX
2SC5515	MATSUSHITA	BU4530AL
2SC5516	MATSUSHITA	BU4540AL
2SD1391	MATSUSHITA	BU4508AX
2SD1439	MATSUSHITA	BU4506DX
2SD1440	MATSUSHITA	BU4505DX
2SD1441	MATSUSHITA	BU4507DX
2SD1479	MATSUSHITA	BU505
2SD1541	MATSUSHITA	BU4506DF
2SD1575	MATSUSHITA	BU4504AF
2SD1576	MATSUSHITA	BU4505AF
2SD1577	MATSUSHITA	BU4508AF
2SD1632	MATSUSHITA	BU4507DF
2SD1663	MATSUSHITA	BU4508AF
2SD1727	MATSUSHITA	BU505DF
2SD1728	MATSUSHITA	BU4505DX
2SD1729	MATSUSHITA	BU4507DX
2SD1730	MATSUSHITA	BU4507DX
2SD1731	MATSUSHITA	BU2520DW
2SD1732	MATSUSHITA	BU4523DW
2SD1734	MATSUSHITA	BU505F
2SD1735	MATSUSHITA	BU505F
2SD1736	MATSUSHITA	BU4505AF
2SD1737	MATSUSHITA	BU4507AF
2SD1738	MATSUSHITA	BU4508AF
2SD1739	MATSUSHITA	BU4522AF

## Power Bipolar Transistors

## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
2SD1844	MATSUSHITA	BU505DF
2SD1845	MATSUSHITA	BU4505DF
2SD1846	MATSUSHITA	BU4507DF
2SD1847	MATSUSHITA	BU4508DF
2SD1848	MATSUSHITA	BU4522DF
2SD1849	MATSUSHITA	BU4523DF
2SD1850	MATSUSHITA	BU4523AF
2SD2001	MATSUSHITA	BU505F
2SD2057	MATSUSHITA	BU4523DF
2SD2310	MATSUSHITA	BU505F
2SD2329	MATSUSHITA	BU4507AF
2SD2330	MATSUSHITA	BU4523AF
2SD2354	MATSUSHITA	BU4523AW
2SD2367	MATSUSHITA	BU4504DX
2SD2368	MATSUSHITA	BU4506AX
2SD2369	MATSUSHITA	BU4506DX
2SD2370	MATSUSHITA	BU4507AX
2SD2371	MATSUSHITA	BU4508DX
2SD2372	MATSUSHITA	BU4507AX
2SD2373	MATSUSHITA	BU4508AX
2SD2510	MATSUSHITA	BU4506DX
2SD2511	MATSUSHITA	BU4506AX
2SD2512	MATSUSHITA	BU4508DX
2SD2513	MATSUSHITA	BU4508AX
2SD2514	MATSUSHITA	BU4523DX
2SD2515	MATSUSHITA	BU4523AX
2SD2521	MATSUSHITA	BU2708DX
2SD2523	MATSUSHITA	BU2720DX
BU508	MOTOROLA	BU508AW
BU508A	MOTOROLA	BU508AW
BU508AD	MOTOROLA	BU508DW
BUH100	MOTOROLA	"BUJ105A, BUJ106A"
BUH150	MOTOROLA	BUJ106A
BUH50	MOTOROLA	BUJ303A
BUL146	MOTOROLA	BUJ105A
BUL146F	MOTOROLA	BUJ105AX
BUL147	MOTOROLA	BUJ105A
BUL147F	MOTOROLA	BUJ105AX
BUL44	MOTOROLA	BUJ101A
BUL44F	MOTOROLA	BUJ101AX
BUL45	MOTOROLA	BUJ103A

## Power Bipolar Transistors

## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
BUL45F	MOTOROLA	BUJ103AX
MJD13003	MOTOROLA	BUJ101
MJE13003	MOTOROLA	BUJ101
MJE13005	MOTOROLA	"PHE13005, BUJ103A"
MJE13007	MOTOROLA	BUJ105A
MJE13009	MOTOROLA	BUJ106A
MJE16004	MOTOROLA	"BUJ202A, BUJ204A"
MJE16106	MOTOROLA	BUJ105A
MJE18002	MOTOROLA	"BUJ202A, BUJ301A"
MJE18004	MOTOROLA	"BUJ202A, BUJ303A"
MJE18006	MOTOROLA	"BUJ204A, BUJ303A"
MJE18008	MOTOROLA	"BUJ205A, BUJ304A"
MJE18009	MOTOROLA	"BUJ205A, BUJ304A"
MJE18204	MOTOROLA	BUJ403A
MJE18206	MOTOROLA	BUJ403A
MJF13007	MOTOROLA	BUJ105AX
MJF13009	MOTOROLA	BUJ106AX
MJF16212	MOTOROLA	BU4525AF
MJF18002	MOTOROLA	"BUJ202AX, BUJ301AX"
MJF18004	MOTOROLA	"BUJ202AX, BUJ303AX"
MJF18006	MOTOROLA	"BUJ202AX, BUJ303AX"
MJF18008	MOTOROLA	"BUJ205AX, BUJ304AX"
MJF18009	MOTOROLA	"BUJ205AX, BUJ304AX"
MJF18204	MOTOROLA	BUJ403AX
MJF18206	MOTOROLA	BUJ403AX
MJH16212	MOTOROLA	BU4525AW
MJW16212	MOTOROLA	BU4525AW
BUT11A	PHILIPS	"BUT11AI, BUJ202A, BUJ303A"
BUT11AF	PHILIPS	"BUT11XI, BUJ202AX, BUJ303AX"
BUT11AX	PHILIPS	"BUT11XI, BUJ202AX, BUJ303AX"
BUT12A	PHILIPS	"BUJ204A, BUJ304A"
BUT12AF	PHILIPS	"BUJ204AX, BUJ304AX"
BUT12AX	PHILIPS	"BUJ204AX, BUJ304AX"
BUT18A	PHILIPS	"BUJ204A, BUJ303A, BUJ304A"
BUT18AF	PHILIPS	"BUJ204AX, BUJ303AX, BUJ304AX"
BUT18AX	PHILIPS	"BUJ204AX, BUJ303AX, BUJ304AX"
BUT211	PHILIPS	"BUJ103A, BUJ204A"
BUT211X	PHILIPS	"BUJ103AX, BUJ204AX"
BUW14	PHILIPS	"BUJ202, BUJ301"
BUW84	PHILIPS	"BUJ101, BUJ202"
BUW85	PHILIPS	"BUJ202, BUJ301"

## Power Bipolar Transistors

## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
BUX84	PHILIPS	"BUJ101A, BUJ202A"
BUX84F	PHILIPS	"BUJ101AX, BUJ202AX"
BUX85	PHILIPS	"BUJ202A, BUJ301A"
BUX85F	PHILIPS	"BUJ202AX, BUJ301AX"
BUX86P	PHILIPS	"BUJ101, BUJ202"
BUX87P	PHILIPS	"BUJ202, BUJ301"
BU508ADF	SAMSUNG	BU508DW
BU508AF	SAMSUNG	BU508AX
BU508DF	SAMSUNG	BU508DX
BU508F	SAMSUNG	BU508AX
KSC2333	SAMSUNG	BUJ101A
KSC2335	SAMSUNG	BUJ105A
KSC2335F	SAMSUNG	BUJ105AX
KSC2518	SAMSUNG	BUJ103A
KSC2752	SAMSUNG	BUJ101
KSC5020	SAMSUNG	BUJ301A
KSC5021	SAMSUNG	BUJ303A
KSC5021F	SAMSUNG	BUJ303AX
KSC5027	SAMSUNG	BU1706A
KSC5027F	SAMSUNG	BU1706AX
KSC5029	SAMSUNG	BU1706A
KSC5030	SAMSUNG	BU1706A
KSC5030F	SAMSUNG	BU1706AX
KSC5039	SAMSUNG	BUJ103A
KSC5039F	SAMSUNG	BUJ103AX
KSC5321	SAMSUNG	BUJ303A
KSC5321F	SAMSUNG	BUJ303AX
KSC5338	SAMSUNG	"BUJ202A, BUJ204A"
KSC5338F	SAMSUNG	"BUJ202AX, BUJ204AX"
KSD5060	SAMSUNG	BU505D
KSD5061	SAMSUNG	BU4505DX
KSD5062	SAMSUNG	BU4507DX
KSD5064	SAMSUNG	BU505
KSD5065	SAMSUNG	BU4505AX
KSD5066	SAMSUNG	BU4507AX
KSD5070	SAMSUNG	BU4504DX
KSD5071	SAMSUNG	BU4505DX
KSD5072	SAMSUNG	BU4507DX
KSD5074	SAMSUNG	BU4504AX
KSD5075	SAMSUNG	BU4505AX
KSD5076	SAMSUNG	BU4507AX

## Power Bipolar Transistors

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TYPE	MANUFACTURER	PHILIPS TYPE
KSD5078	SAMSUNG	BU4522AX
KSD5080	SAMSUNG	BU4522DX
KSD5086	SAMSUNG	BU4508DX
KSD5088	SAMSUNG	BU4522AX
KSD5089	SAMSUNG	BU2520AW
KSD5090	SAMSUNG	BU2520DW
KSE13004	SAMSUNG	BUJ103A
KSE13005	SAMSUNG	"PHE13005, BUJ103A"
KSE13005F	SAMSUNG	BUJ103AX
KSE13006	SAMSUNG	BUJ105A
KSE13007	SAMSUNG	BUJ105A
KSE13007F	SAMSUNG	BUJ105AX
KSE13008	SAMSUNG	BUJ106A
KSE13009	SAMSUNG	BUJ106A
KSE13009F	SAMSUNG	BUJ106AX
2SC4023	SANKEN	BU2520AW
2SC5002	SANKEN	BU4522AF
2SC5003	SANKEN	BU4522DF
2SC3681	SANYO	BU4507DX
2SC3682	SANYO	BU2508DW
2SC3683	SANYO	BU2520DW
2SC3685	SANYO	BU4507AX
2SC3686	SANYO	BU4508AX
2SC3687	SANYO	BU2520AW
2SC3688	SANYO	BU4530AW
2SC3894	SANYO	BU4507AX
2SC3895	SANYO	BU4508AX
2SC3896	SANYO	BU4522AX
2SC3897	SANYO	BU4530AL
2SC3995	SANYO	BU4530AL
2SC3996	SANYO	BU4530AL
2SC3997	SANYO	BU4540AL
2SC3998	SANYO	BU4540AL
2SC4122	SANYO	BU4507DX
2SC4123	SANYO	BU4508DX
2SC4124	SANYO	BU4522DX
2SC4291	SANYO	BU4507DX
2SC4292	SANYO	BU2508DW
2SC4293	SANYO	BU4507DX
2SC4294	SANYO	BU4508DX
2SC4435	SANYO	BU4508AX

## Power Bipolar Transistors

## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
2SC4436	SANYO	BU4515AX
2SC4437	SANYO	BU4508AX
2SC4438	SANYO	BU4515AX
2SC4769	SANYO	BU4508DX
2SC4770	SANYO	BU4508AX
2SC4890	SANYO	BU4540AL
2SC4891	SANYO	BU4540AL
2SC4923	SANYO	BU4522AX
2SC4924	SANYO	BU4522AX
2SC5041	SANYO	BU2708DX
2SC5042	SANYO	BU2708AX
2SC5043	SANYO	BU2727DX
2SC5044	SANYO	BU2727AX
2SC5045	SANYO	BU4730AL
2SC5046	SANYO	BU4730AL
2SC5296	SANYO	BU4508DX
2SC5297	SANYO	BU4522AX
2SC5298	SANYO	BU4522AX
2SC5299	SANYO	BU4522AX
2SC5302	SANYO	BU4530AL
2SD1396	SANYO	BU505D
2SD1397	SANYO	BU4505DX
2SD1398	SANYO	BU4507DX
2SD1399	SANYO	BU2508DW
2SD1400	SANYO	BU505
2SD1401	SANYO	BU4505AX
2SD1402	SANYO	BU4507AX
2SD1403	SANYO	BU4508AX
2SD1649	SANYO	BU4504DX
2SD1650	SANYO	BU4505DX
2SD1651	SANYO	BU4507DX
2SD1652	SANYO	BU4508DX
2SD1653	SANYO	BU4504AX
2SD1654	SANYO	BU4505AX
2SD1655	SANYO	BU4507AX
2SD1656	SANYO	BU4508AX
2SD1677	SANYO	BU4508AX
2SD1709	SANYO	BU2508DW
2SD1710	SANYO	BU4508AX
2SD1711	SANYO	BU4508DX
2SD1876	SANYO	BU4504DX

## Power Bipolar Transistors

## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
2SD1877	SANYO	BU4505DX
2SD1878	SANYO	BU4507DX
2SD1879	SANYO	BU4508DX
2SD1880	SANYO	BU4522DX
2SD1881	SANYO	BU4525DX
2SD1882	SANYO	BU4504AX
2SD1883	SANYO	BU4505AX
2SD1884	SANYO	BU4507AX
2SD1885	SANYO	BU4508AX
2SD1886	SANYO	BU4522AX
2SD1887	SANYO	BU4525AX
2SD2251	SANYO	BU4508AX
2SD2252	SANYO	BU4508AX
BU508	SANYO	BU508AW
BU508A	SANYO	BU508AW
BU508D	SANYO	BU508DW
2SC3162	SHINDENGEN	BUJ103A
2SC3163	SHINDENGEN	BUJ105A
2SC4051	SHINDENGEN	BUJ202A
2SC4052	SHINDENGEN	BUJ202AX
2SC4053	SHINDENGEN	BUJ204A
2SC4054	SHINDENGEN	BUJ204AX
2SC4055	SHINDENGEN	BUJ205A
2SC4056	SHINDENGEN	BUJ205AX
2SC4230	SHINDENGEN	BU1706A
2SC4231	SHINDENGEN	BU1706AX
2SC4233	SHINDENGEN	BU1706A
2SC4234	SHINDENGEN	BU1706AX
2SC4310	SHINDENGEN	BU1706A
2SC4311	SHINDENGEN	BU1706AX
T2V80HFX	SHINDENGEN	BU1706A
T3V40F3	SHINDENGEN	BUJ103A
T3V45FX	SHINDENGEN	BUJ202A
T3V80HFX	SHINDENGEN	BU1706A
T5V45FX	SHINDENGEN	BUJ204A
T6V40F3	SHINDENGEN	BUJ105A
T6V80HDT	SHINDENGEN	BU1706A
T8V45FX	SHINDENGEN	BUJ205A
TP2V80HFX	SHINDENGEN	BU1706AX
TP3V45FX	SHINDENGEN	BUJ202AX
TP3V80HFX	SHINDENGEN	BU1706AX



## Power Bipolar Transistors

## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
TP5V45FX	SHINDENGEN	BUJ204AX
TP6V80HDT	SHINDENGEN	BU1706AX
TP8V45FX	SHINDENGEN	BUJ205AX
2SD1577FI	ST (SGS-THOMSON)	BU4508AX
BU208A	ST (SGS-THOMSON)	BU4508AX
BU208D	ST (SGS-THOMSON)	BU4508AX
BU505	ST (SGS-THOMSON)	BU505
BU505	ST (SGS-THOMSON)	BU1706A
BU508	ST (SGS-THOMSON)	BU508AW
BU508A	ST (SGS-THOMSON)	BU508AW
BU508AD	ST (SGS-THOMSON)	BU508DW
BU508AFI	ST (SGS-THOMSON)	BU508AX
BU508AXI	ST (SGS-THOMSON)	BU4508AZ
BU508D	ST (SGS-THOMSON)	BU508DW
BU508DFI	ST (SGS-THOMSON)	BU508DX
BU508DXI	ST (SGS-THOMSON)	BU4508DZ
BU508FI	ST (SGS-THOMSON)	BU508AX
BUF405	ST (SGS-THOMSON)	BUJ204A
BUH1015	ST (SGS-THOMSON)	BU4540AW
BUH1015HI	ST (SGS-THOMSON)	BU4540AL
BUH1215	ST (SGS-THOMSON)	BU4540AW
BUH315	ST (SGS-THOMSON)	BU4506AX
BUH315D	ST (SGS-THOMSON)	BU4506DX
BUH315DXI	ST (SGS-THOMSON)	BU4506DZ
BUH315XI	ST (SGS-THOMSON)	BU4506AZ
BUH415DXI	ST (SGS-THOMSON)	BU4507DZ
BUH417	ST (SGS-THOMSON)	BU2708AX
BUH515	ST (SGS-THOMSON)	BU4508AX
BUH515D	ST (SGS-THOMSON)	BU4508DX
BUH515DX1	ST (SGS-THOMSON)	BU4508DZ
BUH515FP	ST (SGS-THOMSON)	BU4508DZ
BUH515XI	ST (SGS-THOMSON)	BU4508AZ
BUH517	ST (SGS-THOMSON)	BU2720AX
BUH517D	ST (SGS-THOMSON)	BU2720DX
BUH615	ST (SGS-THOMSON)	BU4522AX
BUH615D	ST (SGS-THOMSON)	BU4522DX
BUH715	ST (SGS-THOMSON)	BU4523AX
BUL128	ST (SGS-THOMSON)	BUJ103A
BUL128FP	ST (SGS-THOMSON)	BUJ103AX
BUL138	ST (SGS-THOMSON)	"BUJ103A, BUJ202A"
BUL138FP	ST (SGS-THOMSON)	"BUJ103AX, BUJ202AX"

## Power Bipolar Transistors

## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
BUL216	ST (SGS-THOMSON)	BU1706A
BUL26	ST (SGS-THOMSON)	BUJ103A
BUL310	ST (SGS-THOMSON)	BUJ303A
BUL310PI	ST (SGS-THOMSON)	BUJ303AX
BUL381	ST (SGS-THOMSON)	"BUJ103A, BUJ202A"
BUL382	ST (SGS-THOMSON)	"BUJ103A, BUJ202A"
BUL410	ST (SGS-THOMSON)	"BUJ204A, BUJ304A"
BUL416	ST (SGS-THOMSON)	BU1706A
BUL48	ST (SGS-THOMSON)	"BUJ105A, BUJ204A"
BUL510	ST (SGS-THOMSON)	BUJ304A
BUL57	ST (SGS-THOMSON)	BUJ105A
BUL57PI	ST (SGS-THOMSON)	BUJ105AX
BUL59	ST (SGS-THOMSON)	BUJ204A
BUL67	ST (SGS-THOMSON)	BUJ106A
BUL810	ST (SGS-THOMSON)	BUJ305A
BUL87	ST (SGS-THOMSON)	BUJ106A
BULK26	ST (SGS-THOMSON)	BUJ103
BULK381	ST (SGS-THOMSON)	"BUJ103, BUJ202"
BULK382	ST (SGS-THOMSON)	"BUJ103, BUJ202"
BULT118	ST (SGS-THOMSON)	BUJ101
S2000AFI	ST (SGS-THOMSON)	BU4508AX
S2000AXI	ST (SGS-THOMSON)	BU4508AZ
SGSF323	ST (SGS-THOMSON)	"BUJ202A, BUJ303A"
SGSF343	ST (SGS-THOMSON)	"BUJ204A, BUJ304A"
ST13003	ST (SGS-THOMSON)	BUJ101
ST13005	ST (SGS-THOMSON)	"PHE13005, BUJ103A"
ST13007	ST (SGS-THOMSON)	BUJ105A
ST1802HI	ST (SGS-THOMSON)	BU4507AX
ST1803DHI	ST (SGS-THOMSON)	BU4507DX
ST2001HI	ST (SGS-THOMSON)	BU4515AX
THD200FI	ST (SGS-THOMSON)	BU4525AX
THD215HI	ST (SGS-THOMSON)	BU4522AX
THD218DHI	ST (SGS-THOMSON)	BU4507DX
THD277HI	ST (SGS-THOMSON)	BU4507AX
THD300	ST (SGS-THOMSON)	BU4540AW
BU508	TELEFUNKEN	BU508AW
BU508A	TELEFUNKEN	BU508AW
BU508AD	TELEFUNKEN	BU508DW
BU508D	TELEFUNKEN	BU508DW
BU508DR	TELEFUNKEN	BU508DW
BU705	TELEFUNKEN	BU505

## Power Bipolar Transistors

## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
BU908	TELEFUNKEN	BU4506AX
2SC3884A	TOSHIBA	BU4508AX
2SC3885A	TOSHIBA	BU4515AX
2SC3886A	TOSHIBA	BU4522AX
2SC3887A	TOSHIBA	BU4508AX
2SC3888A	TOSHIBA	BU4515AX
2SC3889A	TOSHIBA	BU2520AW
2SC3892A	TOSHIBA	BU4508DX
2SC3893A	TOSHIBA	BU4522DX
2SC4288A	TOSHIBA	BU4540AL
2SC4289A	TOSHIBA	BU4540AL
2SC4290A	TOSHIBA	BU4550AL
2SC4531	TOSHIBA	BU4523DX
2SC4532	TOSHIBA	BU4730AL
2SC4542	TOSHIBA	BU4525AX
2SC4560	TOSHIBA	BU4525AW
2SC4757	TOSHIBA	BU4515AX
2SC4758	TOSHIBA	BU4522AX
2SC4759	TOSHIBA	BU4525AX
2SC4761	TOSHIBA	BU2722AX
2SC4762	TOSHIBA	BU4508DX
2SC4763	TOSHIBA	BU4522DX
2SC4764	TOSHIBA	BU4507DX
2SC4765	TOSHIBA	BU2708DX
2SC4766	TOSHIBA	BU2720DX
2SC4806	TOSHIBA	BU2708AX
2SC4830	TOSHIBA	BU4508AX
2SC4916	TOSHIBA	BU4508DX
2SC5048	TOSHIBA	BU4523AX
2SC5129	TOSHIBA	BU4515AX
2SC5142	TOSHIBA	BU4550AL
2SC5143	TOSHIBA	BU2727DX
2SC5148	TOSHIBA	BU4508AX
2SC5149	TOSHIBA	BU4508DX
2SC5150	TOSHIBA	BU2727AX
2SC5331	TOSHIBA	BU4530AL
2SC5332	TOSHIBA	BU2727AW
2SC5339	TOSHIBA	BU4508DX
2SC5386	TOSHIBA	BU4515AX
2SC5387	TOSHIBA	BU4522AX
2SC5404	TOSHIBA	BU4522AX

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## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
2SC5421	TOSHIBA	BU4530AL
2SC5422	TOSHIBA	BU4730AL
2SC5445	TOSHIBA	BU4540AL
2SD1425	TOSHIBA	BU505D
2SD1426	TOSHIBA	BU4506DX
2SD1427	TOSHIBA	BU4507DX
2SD1428	TOSHIBA	BU2508DW
2SD1429	TOSHIBA	BU505
2SD1430	TOSHIBA	BU4506AX
2SD1431	TOSHIBA	BU4507AX
2SD1432	TOSHIBA	BU4508AX
2SD1433	TOSHIBA	BU2520AW
2SD1543	TOSHIBA	BU4504AX
2SD1544	TOSHIBA	BU4506AX
2SD1545	TOSHIBA	BU4507AX
2SD1546	TOSHIBA	BU4508AX
2SD1547	TOSHIBA	BU4522AX
2SD1553	TOSHIBA	BU4504DX
2SD1554	TOSHIBA	BU4506DX
2SD1555	TOSHIBA	BU4507DX
2SD1556	TOSHIBA	BU4508DX
2SD2089	TOSHIBA	BU4504DX
2SD2095	TOSHIBA	BU4507DX
2SD2125	TOSHIBA	BU4508DX
2SD2253	TOSHIBA	BU2720DX
2SD2348	TOSHIBA	BU4522DX
2SD2349	TOSHIBA	BU4523DX
2SD2428	TOSHIBA	BU2725DW
2SD2454	TOSHIBA	BU2720DX
2SD2498	TOSHIBA	BU4508AX
2SD2499	TOSHIBA	BU4508DX
2SD2500	TOSHIBA	BU4523AX
2SD2539	TOSHIBA	BU4522DX
2SD2550	TOSHIBA	BU2708DX
2SD2551	TOSHIBA	BU2720DX
2SD2552	TOSHIBA	BU2720DX
2SD2553	TOSHIBA	BU2725DX
2SD818	TOSHIBA	BU505
2SD819	TOSHIBA	BU4506AX
2SD820	TOSHIBA	BU4507AX
2SD821	TOSHIBA	BU4508AX

## Power Bipolar Transistors

## Cross reference list

TYPE	MANUFACTURER	PHILIPS TYPE
2SD822	TOSHIBA	BU2520AW
2SD868	TOSHIBA	BU505D
2SD869	TOSHIBA	BU4506DX
2SD870	TOSHIBA	BU4507DX
2SD871	TOSHIBA	BU2508DW
S2000	TOSHIBA	BU4508AX
S2000A	TOSHIBA	BU4508AX
S2000AF	TOSHIBA	BU4508AX
S2000F	TOSHIBA	BU4508AX
S2055	TOSHIBA	BU2508DW
S2055A	TOSHIBA	BU2508DW
S2055AF	TOSHIBA	BU4508DX
S2055F	TOSHIBA	BU4508DX
S2818	TOSHIBA	BU2508DW
S2818A	TOSHIBA	BU2508DW
BUD600	VISHAY/ SILICONIX	BUJ101
BUD620	VISHAY/ SILICONIX	BUJ103
BUD630	VISHAY/ SILICONIX	"BUJ103, BUJ105"
BUD636A	VISHAY/ SILICONIX	"BUJ202, BUJ303"
BUD86	VISHAY/ SILICONIX	"BUJ101, BUJ202"
BUD87	VISHAY/ SILICONIX	"BUJ202, BUJ301"
BUF620	VISHAY/ SILICONIX	BUJ103A
BUF630	VISHAY/ SILICONIX	"BUJ103A, BUJ105A"
BUF636A	VISHAY/ SILICONIX	"BUJ202A, BUJ303A"
BUF640A	VISHAY/ SILICONIX	"BUJ204A, BUJ303A"
BUF642	VISHAY/ SILICONIX	BUJ204A
BUF644	VISHAY/ SILICONIX	BUJ105A
BUF646A	VISHAY/ SILICONIX	"BUJ204A, BUJ304A"
BUF650	VISHAY/ SILICONIX	"BUJ105A, BUJ106A"
BUF654	VISHAY/ SILICONIX	BUJ106A
BUF742	VISHAY/ SILICONIX	BUJ303A
BUF744	VISHAY/ SILICONIX	BUJ105A
TD13002	VISHAY/ SILICONIX	BUJ101
TD13003	VISHAY/ SILICONIX	BUJ101
TD13004	VISHAY/ SILICONIX	BUJ103
TD13005	VISHAY/ SILICONIX	BUJ103
TE13004	VISHAY/ SILICONIX	"PHE13005, BUJ103A"
TE13005	VISHAY/ SILICONIX	"PHE13005, BUJ103A"
TE13008	VISHAY/ SILICONIX	BUJ106A
TE13009	VISHAY/ SILICONIX	BUJ106A