

Part #	Package	P _D (W)	I _C (A)	V _{CEO} (V)	V _{CBO} (V)	h _{FE}
2SB1005	TO-220	30	-4	-50	-50	750-
2SB1007	TO-126	10	-0.7	-80	-80	82-390
2SB1009	TO-126	10	-2	-32	-40	82-390
2SB1015	TO-220Fa	25	-3	-60	-60	60-200
2SB1016	TO-220Fa	30	-5	-100	-100	40-240
2SB1017	TO-220Fa	25	-4	-80	-80	40-240
2SB1018	TO-220Fa	30	-7	-80	-100	70-240
2SB1018A	TO-220F	30	-7	-80	-100	70-240
2SB1019	TO-220Fa	30	-7	-50	-70	70-240
2SB1020	TO-220Fa	30	-7	-100	-100	2K-15K
2SB1021	TO-220Fa	30	-7	-80	-80	2K-15K
2SB1022	TO-220Fa	30	-7	-60	-60	2K-15K
2SB1023	TO-220Fa	20	-3	-40	-60	2K-
2SB1024	TO-220Fa	20	-4	-80	-100	2K-
2SB1031	TO-3PN	100	-15	-100	-100	1K-20K
2SB1032	TO-3PN	80	-10	-120	-120	1K-20K
2SB1033	TO-220	40	-3	-60	-60	60-320
2SB1034	TO-126	15	-2	-80	-80	2K-
2SB1037	TO-220	30	-1.5	-150	-150	70-200
2SB1038	TO-220	30	-3	-60	-60	20-
2SB1040	TO-251	0.6	-2	-20	-20	400(TYP)
2SB1052	TO-220Fa	25	-2	-60	-60	40-250
2SB1054	TO-3PFa	60	-5	-100	-100	60-200
2SB1055	TO-3PFa	70	-6	-120	-120	40-200
2SB1056	TO-3PFa	80	-7	-140	-140	40-200
2SB1057	TO-3PFa	100	-9	-150	-150	40-200
2SB1063	TO-220Fa	40	-5	-100	-100	40-200
2SB1064	TO-220	30	-3	-50	-60	60-320
2SB1065	TO-126	10	-3	-50	-60	56-390
2SB1069	TO-220	25	-4	-20	-40	60-260
2SB1069A	TO-220	25	-4	-40	-50	60-260
2SB1071	TO-220Fa	25	-4	-20	-40	60-260
2SB1071A	TO-220Fa	25	-4	-40	-50	60-260
2SB1072	TO-252	20	-4	-80	-100	1K-20K
2SB1072L	TO-251	20	-4	-80	-100	1K-20K
2SB1072L	TO-252	20	-4	-80	-100	1K-20K
2SB1072S	TO-251	20	-4	-80	-100	1K-20K
2SB1072S	TO-252	20	-4	-80	-100	1K-20K
2SB1073	SOT89	0.5	-4	-20	-30	120-315(-2A/-2V)

2SB1075	TO-126	1.2	-2	-40	-50	50-220
2SB1077	TO-220F	40	-4	-60	-60	1K-20K
2SB1079	TO-3PN	100	-20	-100	-100	1K-
2SB1085	TO-220	20	-1.5	-120	-120	60-320
2SB1085A	TO-220	20	-1.5	-160	-160	60-200
2SB1086	TO-126	10	-1.5	-120	-120	56-390
2SB1086A	TO-126	10	-1.5	-160	-160	56-270
2SB1087	TO-220	30	-5	-100	-100	2K-20K
2SB1089	TO-220	30	-3	-60	-60	40-200
2SB1090	TO-220	40	-4	-100	-100	40-200
2SB1094	TO-220Fa	15	-3	-60	-60	40-200
2SB1095	TO-220Fa	20	-4	-100	-100	40-200
2SB1096	TO-220Fa	25	-2	-150	-200	40-200
2SB1097	TO-220Fa	30	-7	-60	-80	40-200
2SB1098	TO-220F	20	-5	-100	-100	2K-15K
2SB1100	TO-220Fa	30	-10	-100	-100	1K-30K
2SB1101	TO-220	40	-4	-60	-60	1K-20K
2SB1102	TO-220	40	-4	-80	-80	1K-20K
2SB1103	TO-220	40	-8	-60	-60	1K-20K
2SB1105	TO-220	30	-3	-120	-120	1K-20K
2SB1106	TO-220	40	-6	-120	-120	1K-
2SB1132	SOT89	0.5	-1	-32	-40	82-390(-0.1A/-3V)
2SB1133	TO-220F	25	-3	-60	-60	70-280
2SB1134	TO-220F	25	-5	-50	-60	70-280
2SB1135	TO-220F	30	-7	-50	-60	70-280
2SB1136	TO-220F	30	-12	-50	-60	70-280
2SB1145	TO-220F	20	-3	-120	-120	2K-
2SB1148	TO-252	15	-10	-20	-40	90-260
2SB1148A	TO-251	1.3	-10	-40	-50	90-260
2SB1149	TO-126	15	-3	-100	-100	2K-15K
2SB1151	TO-126	20	-5	-60	-60	100-400
2SB1152	TO-3PN	120	-12	-160	-160	60-200
2SB1153	TO-3PL	150	-15	-170	-170	60-200
2SB1154	TO-3PFa	70	-10	-80	-130	90-260
2SB1154	TO-3PFa	70	-10	-80	-130	90-260
2SB1155	TO-3PFa	80	-15	-80	-130	90-260
2SB1156	TO-3PFa	100	-20	-80	-130	60-260
2SB1157	TO-3PFa	60	-5	-100	-100	60-200
2SB1158	TO-3PFa	70	-6	-120	-120	60-200
2SB1159	TO-3PFa	80	-7	-140	-140	60-200

2SB1160	TO-3PFa	100	-9	-150	-150	60-200
2SB1161	TO-3PFa	120	-12	-160	-160	60-200
2SB1162	TO-3PL	120	-12	-160	-160	60-200
2SB1163	TO-3PL	150	-15	-180	-180	60-200
2SB1165	TO-126	20	-5	-50	-60	70-400
2SB1168	TO-126	1.2	-4	-100	-120	70-400
2SB1169	TO-252	15	-1	-60	-60	40-450
2SB1169A	TO-251	15	-1	-80	-80	40-450
2SB1170	TO-252	15	-2	-60	-60	100(TYP)
2SB1171	TO-252	15	-2	-150	-150	130(TYP)
2SB1171A	TO-251	1.3	-2	-180	-200	60-240
2SB1172	TO-252	15	-3	-60	-60	70-250
2SB1172A	TO-251	15	-3	-80	-80	70-250
2SB1173	TO-252	15	-4	-60	-60	40-250
2SB1173A	TO-251	15	-4	-60	-60	40-250
2SB1174	TO-252	15	-3	-80	-130	90-260
2SB1175	TO-252	15	-4	-80	-130	90-260
2SB1176	TO-252	15	-5	-80	-130	90-260
2SB1177	TO-252	15	-7	-80	-130	150(TYP)
2SB1178	TO-252	15	-2	-60	-60	5K(TYP)
2SB1178A	TO-251	1.3	-2	-80	-80	1K-10K
2SB1181	TO-251	15	-1	-80	-80	82-390
2SB1181F5	TO-252	1	-1	-80	-80	82-390
2SB1182	TO-251	1	-2	-32	-40	82-390
2SB1182	TO-252	1	-2	-32	-40	82-390
2SB1182	SOT89	0.5	-2	-32	-40	82-390(-0.5A/-3V)
2SB1182F5	TO-252	1	-2	-32	-40	82-390
2SB1184	TO-251	15	-3	-50	-60	82-390
2SB1184	TO-252	1	-3	-50	-60	82-390
2SB1184F5	TO-252	1	-3	-50	-60	82-390
2SB1185	TO-220Fa	25	-3	-50	-60	60-320
2SB1186	TO-220Fa	20	-1.5	-120	-120	100-320
2SB1186A	TO-220Fa	20	-1.5	-160	-160	60-200
2SB1187	TO-220Fa	30	-3	-60	-60	60-320
2SB1189	SOT89	0.5	-0.7	-80	-80	82-390(-0.1A/-3V)
2SB1190	TO-220	25	-1	-150	-200	60-240
2SB1192	TO-220Fa	25	-1	-150	-200	60-240
2SB1193	TO-220Fa	50	-8	-120	-120	1K-20K
2SB1194	TO-220Fa	30	-5	-100	-100	1.5K-10K
2SB1201	TO-251	15	-2	-50	-60	100-560

2SB1201	TO-252	15	-2	-50	-60	100-560
2SB1202	TO-251	1	-3	-50	-60	100-560
2SB1202	TO-252	1	-3	-50	-60	100-560
2SB1203	TO-251	20	-5	-50	-60	70-400
2SB1203	TO-252	20	-5	-50	-60	70-400
2SB1204	TO-251	20	-8	-50	-60	70-400
2SB1204	TO-252	20	-8	-50	-60	70-400
2SB1205	TO-251	10	-5	-20	-25	100-400
2SB1205	TO-252	10	-5	-20	-25	100-400
2SB1214	TO-251	15	-3	-60	-80	>2000
2SB1215	TO-251	20	-3	-100	-120	70-400
2SB1215	TO-252	20	-3	-100	-120	70-400
2SB1216	TO-251	20	-4	-100	-120	70-400
2SB1216	TO-252	20	-4	-100	-120	70-400
2SB1217	TO-126	10	-3	-60	-60	100-400
2SB1223	TO-220F	20	-4	-60	-70	2K-
2SB1225	TO-220F	30	-10	-60	-70	2K-
2SB1226	TO-220F	20	-3	-100	-110	1.5K-
2SB1227	TO-220F	25	-5	-100	-110	1.5K-
2SB1228	TO-220F	20	-8	-100	-110	1.5K-
2SB1230	TO-3PN	100	-15	-100	-110	50-140
2SB1231	TO-3PN	120	-25	-100	-110	50-140
2SB1233	TO-252	15	-1	-150	-200	150(TYP)
2SB1246	TO-251	10	-2	-20	-40	110(TYP)
2SB1247	TO-251	10	-1.5	-40	-60	110(TYP)
2SB1248	TO-251	10	-0.8	-100	-110	110(TYP)
2SB1249	TO-251	10	-0.8	-120	-130	110(TYP)
2SB1250	TO-220Fa	2	-3	-80	-100	5K-30K
2SB1253	TO-3PFa	50	-6	-110	-130	5K-30K
2SB1254	TO-3PF	70	-7	-140	-160	5K-30K
2SB1255	TO-3PFa	100	-8	-140	-160	5K-30K
2SB1257	TO-220F	25	-4	-60	-60	2K-
2SB1257	TO-3PF	25	-4	-60	-60	2K-
2SB1258	TO-220F	30	-6	-100	-100	1K-
2SB1259	TO-220F	30	-10	-120	-120	2K-
2SB1261	TO-251	10	-3	-60	-60	100-400
2SB1261-Z	TO-252	10	-3	-60	-60	100-400
2SB1272	TO-126	10	-2	-100	-100	1K-10K
2SB1273	TO-220	30	-3	-60	-60	70-280
2SB1274	TO-220F	20	-3	-60	-60	70-280

2SB1275	TO-252	1	-1.5	-160	-160	56-270
2SB1283	TO-220F	30	-7	-100	-100	1.5K-15K
2SB1283	TO-220	30	-7	-100	-100	1.5K-15K
2SB1284	TO-220F	35	-10	-100	-100	1.5K-15K
2SB1286	TO-220	25	-2	-100	-100	1K-10K
2SB1287	TO-220Fa	20	-2	-100	-100	1K-10K
2SB1289	TO-220	40	-7	-80	-80	60-320
2SB1290	TO-220Fa	30	-7	-80	-80	60-320
2SB1291	TO-220	40	-5	-60	-60	100-320
2SB1292	TO-220Fa	30	-5	-60	-60	100-320
2SB1293	TO-220	40	-5	-100	-100	60-320
2SB1294	TO-220Fa	30	-5	-100	-100	60-320
2SB1303	TO-251	20	-3	-100	-110	4K(TYP)
2SB1315	TO-3PF	65	-8	-120	-120	60-320
2SB1316	TO-252	1	-2	-100	-100	1K-10K
2SB1316	TO-251	10	-3	-100	-100	1K-10K
2SB1317	TO-3PL	150	-15	-180	-180	60-200
2SB1334	TO-220	40	-4	-60	-80	60-320
2SB1334A	TO-220	40	-4	-80	-80	80-320
2SB1335	TO-220Fa	30	-4	-60	-80	60-320
2SB1339	TO-220	40	-6	-120	-120	2K-20K
2SB1340	TO-220Fa	30	-6	-120	-120	2K-20K
2SB1341	TO-220	35	-4	-80	-80	1K-10K
2SB1342	TO-220Fa	30	-4	-80	-80	1K-10K
2SB1343	TO-220	40	-8	-100	-100	1K-20K
2SB1344	TO-220Fa	30	-8	-100	-100	1K-20K
2SB1345	TO-3PN	80	-7	-80	-100	60-320
2SB1346	TO-220	30	-3	-60	-60	70-280
2SB1347	TO-3PL	120	-12	-160	-160	60-200
2SB1353	TO-126	20	-1.5	-120	-120	60-320
2SB1361	TO-3PFa	100	-9	-150	-150	60-200
2SB1362	TO-3PN	100	-9	-150	-150	60-200
2SB1366	TO-220F	25	-3	-60	-60	60-200
2SB1367	TO-220F	30	-5	-100	-100	40-240
2SB1368	TO-220F	25	-4	-80	-80	40-240
2SB1369	TO-220	40	-3	-60	-60	60-320
2SB1369	TO-220F	20	-2	-180	-200	70-240
2SB1370	TO-220Fa	30	-3	-60	-60	100-320
2SB1371	TO-3PFa	70	-6	-120	-120	60-200
2SB1372	TO-3PFa	80	-7	-140	-140	60-200

2SB1373	TO-3PN	120	-12	-160	-160	60-200
2SB1375	TO-220F	25	-3	-60	-60	100-320
2SB1381	TO-220F	30	-5	-100	-100	1.5K-15K
2SB1382	TO-3PF	75	-16	-120	-120	2K-
2SB1383	TO-3PN	120	-25	-120	-120	2K-
2SB1386	SOT89	0.5	-5	-20	-30	82-390(-0.5A/-2V)
2SB1389	TO-220Fa	25	-4	-60	-60	1K-20K
2SB1390	TO-220Fa	25	-8	-60	-60	1K-20K
2SB1391	TO-220Fa	25	-8	-120	-120	1K-20K
2SB1392	TO-220Fa	25	-4	-60	-70	60-200
2SB1393	TO-220Fa	25	-3	-60	-60	70-250
2SB1393A	TO-220Fa	25	-3	-80	-80	70-250
2SB1400	TO-220Fa	25	-6	-120	-120	1K-20K
2SB1402	TO-220Fa	25	-3	-120	-120	1K-20K
2SB1403	TO-220Fa	25	-6	-120	-120	1K-20K
2SB1404	TO-220F	2	-3	-120	-120	1K-20K
2SB1404	TO-220Fa	25	-3	-120	-120	1K-20K
2SB1407L/S	TO-251/TO-252	18	-2.5	-35	-35	60-320
2SB1409L/S	TO-251/TO-252	18	-1.5	-160	-180	60-320
2SB1411	TO-220F	20	-2	-100	-100	1.5K-15K
2SB1412	TO-251	1	-5	-20	-30	82-390
2SB1412	TO-252	1	-5	-20	-30	82-390
2SB1419	TO-3PL	120	-12	-160	-160	60-200
2SB1420	TO-3PN	80	-16	-120	-120	2000-
2SB1421	TO-3PN	80	-7	-140	-140	60-200
2SB1424	SOT89	0.5	-3	-20	-20	120-390(-0.1A/-2V)
2SB1429	TO-3PL	150	-15	-180	-180	55-160
2SB1430	TO-220F	20	-5	-100	-100	2K-20K
2SB1431	TO-220F	25	-8	-100	-100	2K-15K
2SB1436	TO-126	5	-5	-20	-30	180-390
2SB1440	SOT89	1	-2	-50	-50	120-340(-0.2A/-2V)
2SB1449	TO-263	1.65	-5	-50	-60	70-280
2SB1450	TO-263	1.65	-12	-50	-60	70-280
2SB1451	TO-263	1.65	-5	-80	-90	70-280
2SB1452	TO-263	1.65	-7	-80	-90	70-280
2SB1454	TO-220F	25	-5	-80	-90	70-280
2SB1455	TO-220F	30	-7	-80	-90	70-280

2SB1468	TO-220F	25	-12	-30	-60	70-280
2SB1470	TO-3PL	150	-8	-160	-160	3.5K-20K
2SB1477	TO-3PN	60	-5	-100	-100	60-320
2SB1478	TO-3PN	60	-8	-100	-100	2K-20K
2SB1481	TO-220F	25	-4	-100	-100	2K-
2SB1490	TO-3PL	90	-7	-140	-160	5K-30K
2SB1492	TO-3PL	70	-6	-110	-130	5K-30K
2SB1495	TO-220F	20	-3	-100	-100	2K-
2SB1498	TO-251	1.3	-0.3	-600	-600	30(TYP)
2SB1502	TO-3PL	60	-5	-100	-120	5K-30K
2SB1503	TO-3PL	120	-7	-140	-160	5K-30K
2SB1507	TO-3PF	40	-7	-50	-60	70-280
2SB1508	TO-3PF	45	-12	-50	-60	70-280
2SB1509	TO-3PF	50	-15	-50	-60	70-280
2SB1530	TO-220Fa	20	-2	-150	-200	60-200
2SB1531	TO-3PN	50	-6	-130	-130	5K-30K
2SB1548	TO-220F	25	-3	-60	-60	70-250
2SB1548A	TO-220F	25	-3	-80	-80	70-250
2SB1550	TO-220	40	-10	-80	-80	1K-20K
2SB1551	TO-220Fa	30	-20	-80	-80	1K-20K
2SB1555	TO-3PL	100	-7	-140	-140	5K-30K
2SB1556	TO-3PL	120	-8	-140	-140	5K-30K
2SB1558	TO-3PN	80	-8	-140	-140	5K-30K
2SB1559	TO-3PN	80	-8	-150	-160	5K-30K
2SB1560	TO-3PN	100	-10	-150	-160	5K-30K
2SB1562	TO-220F	25	-3	-60	-60	300-1K
2SB1565	TO-220F	25	-3	-60	-80	100-320
2SB1566	TO-220F	25	-3	-50	-60	100-320
2SB1567	TO-220F	20	-2	-100	-100	1K-10K
2SB1568	TO-220F	30	-4	-80	-80	1K-10K
2SB1569	TO-220F	20	-1.5	-120	-120	100-200
2SB1570	MT-200	50	-12	-150	-160	5K-30K
2SB1587	TO-3PF	75	-8	-150	-160	5K-
2SB1588	TO-3PF	80	-10	-150	-160	5K-30K
2SB1603	TO-220F	25	-4	-20	-40	90-260
2SB1603A	TO-220F	25	-4	-40	-50	90-260
2SB1604	TO-220F	40	-10	-20	-40	90-260
2SB1604A	TO-220F	40	-10	-40	-50	90-260
2SB1605	TO-220F	35	-3	-60	-60	70-250
2SB1605A	TO-220F	35	-3	-80	-80	70-250

2SB1606	TO-220F	40	-5	-80	-130	90-260
2SB1607	TO-220F	40	-7	-80	-130	90-260
2SB1624	TO-3PN	60	-6	-110	-110	5K-
2SB1625	TO-3PF	60	-6	-110	-110	5K-
2SB1626	TO-220F	30	-6	-110	-110	5K-30K
2SB1640	TO-220F	1.8	-3	-60	-60	100-320
2SB1642	TO-220F	25	-4	-60	-60	100-320
2SB1647	TO-3PN	130	-15	-150	-150	5K-
2SB1649	TO-3PF	85	-15	-150	-150	5K-
2SB1655	TO-220F	25	-3	-60	-80	100-200
2SB1657	TO-126	10	-5	-30	-30	150-600
2SB1658	TO-126	10	-5	-30	-30	150-600
2SB1669-Z	TO-263	25	-3	-60	-60	100-400
2SB1686	TO-220F	30	-6	-110	-110	5K-
2SB337	TO-3	30	-7	-30	-40	50-165
2SB407	TO-3	30	-7	-30	-30	80-
2SB434	TO-220	25	-3	-50	-60	40-240
2SB435	TO-220	25	-3	-40	-50	40-240
2SB449	TO-3	22.5	-3.5	-50	-50	20-85
2SB468	TO-3	10	-10	-90	-220	14-130
2SB502	TO-66	25	-3	-80	-110	30-280
2SB503	TO-66	25	-3	-50	-70	30-280
2SB506	TO-3	60	-5	-150	-150	35-200
2SB507	TO-220	30	-3	-60	-60	40-320
2SB508	TO-220	1.7	-3	-60	-60	40-320
2SB509	TO-66	35	-4	-60	-60	40-320
2SB511	TO-220	10	-1.5	-35	-35	40-320
2SB512	TO-220	25	-3	-60	-60	30-160
2SB513	TO-220	25	-3	-60	-60	30-160
2SB514	TO-220	20	-2	-50	-50	40-320
2SB515	TO-220	1.75	-2	-50	-50	40-320
2SB518	TO-3	60	7	-90	-90	50-
2SB519	TO-3	80	-10	-110	-110	50-
2SB520	TO-3	100	-12	-140	-140	50-
2SB521	TO-220	25	-5	-60	-60	50-
2SB522	TO-220	25	-5	-60	-60	50-
2SB526	TO-220	10	-0.8	-80	-90	55-300
2SB530	TO-3	80	-8	-110	-110	80-
2SB531	TO-3	50	-6	-100	-100	40-240
2SB532	TO-3	60	-5	-80	-80	80-

2SB536	TO-220	20	-1.5	-120	-130	40-250
2SB537	TO-220	20	-1.5	-120	-130	110-
2SB538	TO-3	75	-15	-65	-65	100-
2SB539	TO-3	100	-10	-120	-130	40-200
2SB541	TO-3	80	-8	-100	-110	40-200
2SB546	TO-220	30	-2	-150	-200	40-
2SB546A	TO-220	30	-2	-150	-200	40-
2SB546L	TO-220	25	-2	-150	-200	40-
2SB547	TO-220	20	-2	-150	-200	40-
2SB548	TO-126	10	-0.8	-80	-100	40-320
2SB549	TO-126	10	-0.8	-100	-100	40-320
2SB550	TO-66	25	-5	-70	-100	30-200
2SB551	TO-66	25	-3	-50	-50	35-200
2SB552	TO-3	150	-15	-180	-220	25-80
2SB553	TO-220	40	-7	-50	-70	70-240
2SB554	TO-3	150	-15	-180	-180	40-140
2SB555	TO-3	100	-12	-140	-140	40-140
2SB556	TO-3	100	-12	-120	-120	40-140
2SB557	TO-3	80	-8	-120	-120	40-140
2SB558	TO-3	60	-7	-100	-100	40-140
2SB563	TO-66	25	-3	-80	-80	30-200
2SB565	TO-220	40	-4	-50	-50	60-200
2SB566	TO-220	40	-4	-50	-70	60-200
2SB566A	TO-220	40	-4	-60	-70	60-200
2SB567	TO-220	30	-2	-200	-200	150-
2SB568	TO-220	30	-2	-200	-200	60-320
2SB595	TO-220	40	-5	-100	-100	40-240
2SB596	TO-220	30	-4	-80	-80	40-240
2SB600	TO-3	200	-10	-200	-200	20-
2SB601	TO-220	30	-5	-100	-100	2K-15K
2SB604	TO-220	30	-4	-70	-70	120-
2SB608	TO-220	30	-2	-180	-180	
2SB609	TO-66	40	-4	-80	-100	60-320
2SB611	TO-3	60	-7	-150	-150	
2SB612	TO-3	100	-12	-140	-180	35-200
2SB613	TO-3	150	-15	-250	-250	35-200
2SB616	TO-3PN	60	-5	-100	-100	50-
2SB624	SOT23	0.2	-0.7	-25	-30	110-400(-0.1A/-1V)
2SB625	TO-3	60	-7	-100	-100	
2SB626	TO-3	80	-8	-120	-120	

2SB628	TO-220	20	-1.5	-160	-160	40-200
2SB630	TO-220	25	-2	-200	-200	40-200
2SB631	TO-126	8	-1	-100	-100	60-320
2SB631K	TO-126	8	-1	-120	-120	60-320
2SB632	TO-126	10	-2	-25	-25	60-320
2SB632K	TO-126	10	-2	-35	-35	60-320
2SB633	TO-220	40	-6	-85	-100	40-320
2SB634	TO-3	60	-7	-120	-120	40-320
2SB638	TO-3	80	-10	-100	-100	1K-
2SB645	TO-3	150	-15	-200	-200	40-140
2SB649	TO-126	20	-1.5	-120	-160	60-320
2SB649A	TO-126	20	-1.5	-160	-180	60-200
2SB653	TO-3	60	-7	-100	-120	60-200
2SB654	TO-3	80	-7	-100	-120	60-200
2SB655	TO-3	100	-12	-160	-160	60-200
2SB656	TO-3	125	-12	160	-160	60-200
2SB668	TO-220	25	-3	-100	-100	2K-
2SB669	TO-220	40	-4	-70	-70	1K-
2SB673	TO-220	40	-7	-100	-100	2K-15K
2SB674	TO-220	40	-7	-80	-80	2K-15K
2SB675	TO-220	40	-7	-60	-60	2K-15K
2SB676	TO-220	30	-4	-80	-100	2K-
2SB677	TO-220	25	-3	-40	-60	2K-
2SB681	TO-3	100	-12	-150	-150	40-140
2SB682	TO-220	30	-4	-100	-100	55-300
2SB683	TO-220	40	-5	-100	-100	55-300
2SB686	TO-3PN	60	-6	-100	-100	55-160
2SB688	TO-3PN	80	-8	-120	-120	55-160
2SB689	TO-220	40	-4	-100	-100	50-250
2SB690	TO-220	40	-4	-80	-100	60-200
2SB691	TO-3PN	60	-5	-80	-130	40-200
2SB692	TO-3PN	70	-6	-100	-150	40-200
2SB695	TO-3PN	80	-7	-120	-170	40-200
2SB696	TO-3	80	-8	-120	-150	40-320
2SB697	TO-3	100	-12	-140	-160	40-320
2SB697K	TO-3	100	-12	-160	-180	40-320
2SB703	TO-220	40	-4	-80	-80	40-200
2SB705	MT-200	120	-10	-140	-140	40-200
2SB705A	MT-200	120	-10	-150	-150	40-200
2SB705B	MT-200	120	-10	-160	-160	40-200

2SB707	TO-220	40	-7	-60	-80	40-200
2SB708	TO-220	40	-7	-80	-80	40-200
2SB709A	SOT23	0.2	-0.2	-45	-45	160-460(2mA/10V)
2SB713	TO-3PN	100	-9	-140	-200	40-200
2SB719	TO-220	25	-2	-160	-160	35-200
2SB720	TO-220	25	-2	-200	-200	35-200
2SB722	TO-3	150	-15	-160	-160	50-
2SB723	TO-3	150	-15	-200	-200	35-200
2SB724	TO-220	25	-3	-60	-60	
2SB727	TO-220	40	-6	-120	-120	1K-20K
2SB727K	TO-220	40	-6	-120	-120	1K-20K
2SB731	TO-126	10	-1	-50	-60	135-600
2SB743	TO-126	10	-3	-30	-40	60-320
2SB744	TO-126	10	-3	-45	-70	60-320
2SB744A	TO-126	10	-3	-60	-70	60-320
2SB747	TO-220	40	-5	-80	-80	40-200
2SB753	TO-220	40	-7	-80	-100	70-240
2SB754	TO-3PN	60	-7	-50	-50	70-240
2SB755	MT-200	120	-12	-150	-150	55-160
2SB757	TO-3PN	80	-15	-40	-40	40-240
2SB760	TO-220	30	-1	-60	-60	40-250
2SB761	TO-220	35	-3	-60	-60	40-250
2SB761A	TO-220	35	-3	-80	-80	40-250
2SB762	TO-220	40	-4	-60	-60	40-250
2SB762A	TO-220	40	-4	-80	-80	40-250
2SB763	TO-3PN	60	-5	-60	-60	40-250
2SB765	TO-220	30	-3	-120	-120	1K-20K
2SB765K	TO-220	30	-3	-120	-120	1K-20K
2SB768	TO-252	2	-2	-150	-200	40-200
2SB772	TO-126	10	-3	-30	-40	60-400
2SB775	TO-3PN	60	-6	-85	-100	60-200
2SB776	TO-3PN	70	-7	-100	-120	60-200
2SB778	TO-3PF	80	-10	-120	-120	55-160
2SB781	TO-220	30	-4	-50	-50	
2SB782	TO-220	30	-4	-60	-60	
2SB783	TO-220	30	-4	-80	-80	
2SB786	TO-126	5	-2	-40	-40	10K(TYP)
2SB794	TO-126	10	-1.5	-60	-60	2K-30K
2SB795	TO-126	10	-1.5	-80	-80	2K-30K
2SB796	TO-3	200	-10	-200	-200	

2SB812	TO-3PN	60	-4	-60	-60	40-250
2SB813	TO-220	40	-4	-60	-60	60-200
2SB816	TO-3PN	80	-8	-120	-150	60-200
2SB817	TO-3PN	100	-12	-140	-160	60-200
2SB817C	TO-3PN	100	-12	-140	-160	60-200
2SB820	TO-252	15	-1	-350	-350	50(TYP)
2SB823	TO-220	40	-6	-100	-100	70-280
2SB824	TO-220	30	-5	-50	-60	70-280
2SB825	TO-220	40	-7	-50	-60	70-280
2SB826	TO-220	40	-12	-50	-60	70-280
2SB827	TO-3PN	60	-7	-50	-60	70-280
2SB828	TO-3PN	80	-12	-50	-60	70-280
2SB829	TO-3PN	90	-15	-50	-60	70-280
2SB834	TO-220	30	-3	-60	-60	60-200
2SB836	TO-252	20	-2.5	-35	-35	160(TYP)
2SB837	TO-252	20	-2.5	-35	-35	160(TYP)
2SB837L	TO-251	20	-2.5	-35	-35	60-320
2SB837L	TO-252	20	-2.5	-35	-35	60-320
2SB837S	TO-251	20	-2.5	-35	-35	60-320
2SB837S	TO-252	20	-2.5	-35	-35	60-320
2SB838	TO-252	20	-2		-50	120(TYP)
2SB839	TO-252	20	-2		-80	120(TYP)
2SB840	TO-252	20	-1.5		-180	100(TYP)
2SB841	TO-252	20	-1.5		-180	100(TYP)
2SB841L	TO-251	20	-1.5	-160	-180	60-200
2SB841L	TO-252	20	-1.5	-160	-180	60-200
2SB841S	TO-251	20	-1.5	-160	-180	60-200
2SB841S	TO-252	20	10	-160	-180	60-200
2SB842	TO-252	10	10		-200	100(TYP)
2SB844	TO-252	10	-1		-120	160(TYP)
2SB845	TO-252	10	-1		-120	100(TYP)
2SB846	TO-252	10	-1		-25	100(TYP)
2SB848	TO-3PN	70	-6	-100	-100	40-200
2SB849	TO-3PFa	80	-7	-120	-120	40-200
2SB849A	TO-3PFa	80	-7	-130	-130	40-200
2SB850	TO-220	50	-10	-40	-40	40-240
2SB855	TO-220	20	-2	-50	-50	35-200
2SB856	TO-220	25	-3	-50	-50	35-200
2SB857	TO-220	40	-4	-50	-70	60-320
2SB858	TO-220	40	-4	-60	-70	60-320

2SB859	TO-220	40	-4	-80	-100	60-200
2SB860	TO-220	40	-4	-100	-100	50-250
2SB861	TO-220	30	-2	-150	-200	60-200
2SB863	TO-3PN	100	-10	-140	-140	55-160
2SB867	TO-220	30	-3	-80	-130	60-260
2SB868	TO-220	35	-4	-80	-130	60-260
2SB869	TO-220	40	-5	-80	-130	60-260
2SB870	TO-220	40	-7	-80	-130	60-260
2SB871	TO-220	40	-10	-20	-40	60-260
2SB871A	TO-220	40	-10	-40	-50	60-260
2SB874	TO-126	20	-2	-60	-100	60-200
2SB880	TO-220	30	-4	-60	-70	2K-
2SB881	TO-220	35	-7	-60	-70	2K-
2SB882	TO-220	40	-10	-60	-70	2K-
2SB883	TO-3PN	70	-15	-60	-70	2K-
2SB884	TO-220	30	-3	-100	-110	1.5K-
2SB885	TO-220	35	-5	-100	-110	1500-
2SB886	TO-220	40	-8	-100	-110	1500-
2SB887	TO-3PN	70	-10	-100	-110	1.5K-
2SB891	TO-126	1.2	-2	-32	-40	82-390
2SB891F	TO-126	5	-2	-32	-40	82-390
2SB896	TO-220	35	-10	-20	-40	60-260
2SB896A	TO-220	35	-10	-40	-50	60-260
2SB897	TO-3PN	80	-10	-100	-100	1K-
2SB899	TO-220	25	-3	-50	-50	40-
2SB900	TO-220	40	-4	-50	-50	40-
2SB901	TO-220	40	-4	-60	-60	40-
2SB903	TO-220	35	-12	-30	-60	70-280
2SB904	TO-3PN	60	-20	-30	-60	70-280
2SB905	TO-251	10	10	-150	-150	60-320
2SB905	TO-252	10	10	-150	-150	60-320
2SB906	TO-251	20	-3	-60	-60	60-200
2SB906	TO-252	20	-3	-60	-60	60-200
2SB907	TO-251	15	-3	-40	-60	>2000
2SB907	TO-252	15	-3	-40	-60	>2000
2SB908	TO-251	15	-4	-80	-100	>2000
2SB908	TO-252	15	-4	-80	-100	>2000
2SB919	TO-220	30	-8	-30	-60	70-280
2SB920	TO-220	30	-5	-80	-120	70-280
2SB921	TO-220	40	-7	-80	-120	70-280

2SB922	TO-3PN	80	-12	-80	-120	70-280
2SB923	TO-3	100	-20	-80	-120	70-280
2SB924	TO-3	120	-25	-80	-120	70-280
2SB925	TO-220	30	-7	-20	-40	60-260
2SB925A	TO-220	30	-7	-40	-50	60-260
2SB940	TO-220Fa	30	-2	-150	-200	60-240
2SB940A	TO-220Fa	30	-2	-180	-200	60-240
2SB941	TO-220Fa	35	-3	-60	-60	70-250
2SB941A	TO-220Fa	35	-3	-80	-80	70-250
2SB942	TO-220Fa	40	-4	-60	-60	70-250
2SB942A	TO-220Fa	40	-4	-80	-80	70-250
2SB943	TO-220Fa	30	-3	-80	-130	90-260
2SB944	TO-220Fa	35	-4	-80	-130	60-260
2SB945	TO-220Fa	40	-5	-80	-130	90-260
2SB946	TO-220Fa	40	-7	-80	-130	90-260
2SB946A	TO-220Fa	40	-7	-100	-150	60-260
2SB947	TO-220Fa	35	-10	-20	-40	90-260
2SB947A	TO-220Fa	35	-10	-40	-50	90-260
2SB948	TO-220Fa	40	-10	-20	-40	90-260
2SB948A	TO-220Fa	40	-10	-40	-50	90-260
2SB950A	TO-220Fa	40	-4	-80	-80	2K-10K
2SB953	TO-220Fa	30	-7	-20	-40	90-260
2SB953A	TO-220Fa	30	-7	-40	-50	90-260
2SB954	TO-220Fa	30	-1	-60	-60	70-250
2SB954A	TO-220Fa	30	-1	-80	-80	70-250
2SB955	TO-220	50	-10	-120	-120	1K-20K
2SB957	TO-252	20	-2	-100	-100	100(TYP)
2SB958	TO-252	20	-2	-100	-100	100(TYP)
2SB959	TO-252	20	-1.5	-120	-120	100(TYP)
2SB960	TO-252	20	-1.5	-120	-120	100(TYP)
2SB962	TO-251	2	-3	-30	-40	60-400
2SB962-Z	TO-252	10	-3	-30	-40	60-400
2SB963	TO-251	2	-1	-60	-60	2K-30K
2SB963-Z	TO-252	2	-1	-60	-60	2K-30K
2SB964	TO-251	10	-1.5	-60	-60	8K(TYP)
2SB965	TO-3PFa	70	-7	-120	-120	60-320
2SB966	TO-3PFa	80	-8	-120	-120	60-320
2SB967	TO-252	20	-5	-30	-30	300(TYP)
2SB968	TO-252	20	-1.5	-50	-50	100(TYP)
2SB974	TO-220F	30	-5	-100	-100	6K(TYP)

2SB975	TO-220F	30	-8	-100	-100	6K(TYP)
2SB979	TO-3PN	60	-5	-100	-100	60-200
2SB980	TO-3PN	70	-6	-120	-120	60-200
2SB981	TO-3PN	80	-7	-140	-140	60-200
2SB982	TO-3PN	100	-9	-150	-150	60-200
2SB983	TO-220	40	-7	-50	-60	70-200
2SB988	TO-220	30	-3	-60	-60	60-200
2SB989	TO-220	30	-4	-80	-80	40-240
2SB991	TO-220	20	-1.5	-180	-180	
2SB992	TO-220	40	-7	-80	-100	70-240
2SB993	TO-220F	40	-7	-50	-70	70-240
2SB993	TO-220	40	-7	-50	-70	70-240
2SB994	TO-220Fa	30	-3	-60	-60	60-200
2SB994	TO-220	30	-3	-60	-60	60-200
2SB995	TO-220F	40	-5	-100	-100	40-240
2SB995	TO-220	40	-5	-100	-100	40-240
2SB996	TO-220F	30	-4	-80	-80	40-240
2SB996	TO-220	30	-4	-80	-80	40-240