

Part #	Package	P _D (W)	I _C (A)	V _{CEO} (V)	V _{CB0} (V)	h _{FE}
BD107	TO-66	12	2.5	64	64	50-300
BD112	TO-3	20	12	60	80	50-130
BD116	TO-3	10	3	60	80	30-
BD117	TO-3	30	5	60	100	30-90
BD131	TO-126	15	3	45	70	40-
BD132	TO-126	15	-3	-45	-70	40-
BD135	TO-126	12.5	1.5	45	45	40-250
BD136	TO-126	12.5	-1.5	-45	-45	40-250
BD137	TO-126	12.5	1.5	60	60	40-250
BD138	TO-126	12.5	-1.5	-60	-60	40-250
BD139	TO-126	12.5	1.5	80	100	40-250
BD140	TO-126	12.5	-1.5	-80	-100	40-250
BD141	TO-3	117	8	120	140	20-70
BD142	TO-3	117	15	45	50	12.5-160
BD145	TO-3	15	5	60	60	45-
BD157	TO-126	20	0.5	250	275	30-240
BD158	TO-126	20	0.5	300	325	30-240
BD159	TO-126	20	0.5	350	375	30-240
BD162	TO-66	15	4	20	40	30-
BD175	TO-126	30	3	45	45	40-250
BD176	TO-126	30	-3	-45	-45	40-250
BD177	TO-126	30	3	60	60	40-250
BD178	TO-126	30	-3	-60	-60	40-250
BD179	TO-126	30	3	80	80	40-
BD179	TO-126	30	3	80	80	40-250
BD180	TO-126	30	-3	-80	-80	40-250
BD189	TO-126	40	4	60	70	40-
BD190	TO-126	40	-4	-60	-70	40-
BD201	TO-220	60	8	45	60	30-
BD201F	TO-220Fa	32	8	45	60	30-
BD202	TO-220	60	-8	-45	-60	30-
BD202F	TO-220Fa	60	-8	-45	-60	30-
BD203	TO-220	60	8	60	60	30-
BD203F	TO-220Fa	32	8	60	60	30-
BD204	TO-220	60	-8	-60	-60	30-
BD204F	TO-220Fa	60	-8	-60	-60	30-
BD214	TO-3PN	90	-15	-45	-45	25-
BD224	TO-220	36	-4	-40		30-120
BD226	TO-126	12.5	1.5	45	45	40-250

BD227	TO-126	12.5	-1.5	-45	-45	40-250
BD228	TO-126	12.5	1.5	60	60	40-250
BD229	TO-126	12.5	-1.5	-60	-60	40-250
BD230	TO-126	12.5	1.5	80	100	40-250
BD231	TO-126	12.5	-1.5	-80	-100	40-250
BD233	TO-126	25	2	45	45	40-250
BD234	TO-126	25	-2	-45	-45	40-250
BD235	TO-126	25	2	60	60	40-250
BD236	TO-126	25	-2	-60	-60	40-250
BD237	TO-126	25	2	80	100	40-250
BD238	TO-126	25	-2	-80	-100	40-250
BD238G	TO-126	25	-2	-80	-100	40-250
BD239	TO-220	30	2	45	55	40-
BD239A	TO-220	30	2	60	70	40-
BD239B	TO-220	30	2	80	90	40-
BD239C	TO-220	30	2	100	115	40-
BD240	TO-220	30	-2	-45	-55	40-
BD240A	TO-220	30	-2	-60	-70	40-
BD240B	TO-220	30	-2	-80	-90	40-
BD240C	TO-220	30	-2	-100	-115	40-
BD241	TO-220	40	3	45	55	25-
BD241A	TO-220	40	3	60	70	25-
BD241B	TO-220	40	3	80	90	25-
BD241C	TO-220	40	3	100	115	25-
BD242	TO-220	40	-3	-45	-55	25-
BD242A	TO-220	40	-3	-60	-70	25-
BD242B	TO-220	40	-3	-80	-90	25-
BD242C	TO-220	40	-3	-100	-115	25-
BD243	TO-220	65	6	45	45	30-
BD243A	TO-220	65	6	60	60	30-
BD243B	TO-220	65	6	80	80	30-
BD243C	TO-220	65	6	100	100	30-
BD244	TO-220	65	-6	-45	-45	30-
BD244A	TO-220	65	-6	-60	-60	30-
BD244B	TO-220	65	-6	-80	-80	30-
BD244C	TO-220	65	-6	-100	-100	30-
BD245	TO-3PN	80	10	45	55	20-
BD245A	TO-3PN	80	10	60	70	20-
BD245B	TO-3PN	80	10	80	90	20-
BD245C	TO-3PN	80	10	100	115	20-

BD246	TO-3PN	80	-10	-45	-55	20-
BD246A	TO-3PN	80	-10	-60	-70	20-
BD246B	TO-3PN	80	-10	-80	-90	20-
BD246C	TO-3PN	80	-10	-100	-115	20-
BD249	TO-3PB	125	25	45	55	25-
BD249A	TO-3PB	125	25	60	70	25-
BD249B	TO-3PB	125	25	80	90	25-
BD249C	TO-3PN	125	25	100	115	25-
BD250	TO-3PB	125	-25	-45	-55	25-
BD250A	TO-3PB	125	-25	-60	-70	25-
BD250B	TO-3PB	125	-25	-80	-90	25-
BD250C	TO-3PN	125	-25	-100	-115	25-
BD262	TO-126	36	-6	-60	-60	750-
BD277	TO-220	70	-7	-45	-45	30-150
BD286	TO-126	36	-4	-45	-45	20-
BD302	TO-220	55	-8	-45	-60	30-
BD303	TO-220	55	8	60	60	30
BD304	TO-220	-55	-8	-60	-60	30-
BD311	TO-3	115	10	60	60	25-
BD312	TO-3	115	-10	-60	-60	25-
BD314	TO-3	-115	-10	-80	-80	25-
BD317	TO-3	200	16	100	100	25-
BD318	TO-3	200	-16	-100	-100	25-
BD329	TO-126	15	3	20	32	85-375
BD330	TO-126	20	-3	-20	-32	85-375(0.5A/1V)
BD331	TO-126	60	6	60	60	>750(3A/3V)
BD332	TO-126	60	-6	-60	-60	>750(3A/3V)
BD333	TO-126	60	6	80	80	>750(3A/3V)
BD334	TO-126	60	-6	-80	-80	>750(3A/3V)
BD335	TO-126	60	6	100	100	>750(3A/3V)
BD336	TO-126	60	-6	-100	-100	>750(3A/3V)
BD337	TO-126	60	6	120	120	>750(3A/3V)
BD338	TO-126	60	-6	-120	-120	>750(3A/3V)
BD343	TO-3	100	-12	-40	-40	15-
BD347	TO-220	60	-8	-60	-60	40-
BD350	TO-3	160	-30	-80	-80	20-
BD354	TO-66		2	60	60	30-300
BD355	TO-66		-2	-60	-60	30-300
BD364	TO-3	200	25	50	50	25-
BD365	TO-3	200	-25	-50	-5	25-

BD368	TO-3	200	25	80	80	25-
BD369	TO-3	200	-25	-80	-80	25-
BD375	TO-126	25	2	45	50	40-375
BD376	TO-126	25	-2	-45	-50	40-375
BD377	TO-126	25	2	60	75	40-375
BD378	TO-126	25	-2	-60	-75	40-375
BD379	TO-126	25	2	80	100	40-375
BD380	TO-126	25	-2	-80	-100	40-375
BD433	TO-126	36	4	22	22	85-
BD434	TO-126	36	-4	-22	-22	85-
BD435	TO-126	36	4	32	32	85-
BD436	TO-126	36	-4	-32	-32	85-
BD437	TO-126	36	4	45	45	85-
BD438	TO-126	36	-4	-45	-45	85-
BD439	TO-126	36	4	60	60	40-
BD440	TO-126	36	-4	-60	-60	40-
BD441	TO-126	36	4	80	80	40-
BD442	TO-126	36	-4	-80	-80	40-
BD500	TO-220	75	-10	-50	-55	15-90
BD500B	TO-220	75	-10	-80	-85	15-90
BD501	TO-220	75	10	50	55	15-90
BD501B	TO-220	75	10	80	85	15-90
BD533	TO-220	50	8	45	45	25-
BD534	TO-220	50	-8	-45	-45	25-
BD535	TO-220	50	8	60	60	25-
BD536	TO-220	50	-8	-60	-60	25-
BD537	TO-220	50	8	80	80	15-
BD538	TO-220	50	-8	-80	-80	15-
BD539	TO-220	45	5	40	40	40-
BD539A	TO-220	45	5	60	60	40-
BD539B	TO-220	45	5	80	80	40-
BD539C	TO-220	45	5	100	100	40-
BD539D	TO-220	45	5	120	120	40-
BD540	TO-220	45	-5	-40	-40	40-
BD540A	TO-220	45	-5	-60	-60	40-
BD540B	TO-220	45	-5	-80	-80	40-
BD540C	TO-220	45	-5	-100	-100	40-
BD543	TO-220	70	8	40	40	40-
BD543A	TO-220	70	8	60	60	40-
BD543B	TO-220	70	8	80	80	40-

BD543C	TO-220	70	8	100	100	40-
BD544	TO-220	70	-8	-40	-40	40-
BD544A	TO-220	70	-8	-60	-60	40-
BD544B	TO-220	70	-8	-80	-80	40-
BD544C	TO-220	70	-8	-100	-100	40-
BD545	TO-3PN	85	15	40	40	60-
BD545A	TO-3PN	85	15	60	60	60-
BD545B	TO-3PN	85	15	80	80	60-
BD545C	TO-3PN	85	15	100	100	60-
BD546	TO-3PN	85	-15	-40	-40	25-
BD550	TO-3	150	7	110	130	15-75
BD550B	TO-3	150	7	250	275	10-50
BD581	TO-220	30	3	100		15-
BD609	TO-220	90	10	80		15-
BD633	TO-220	30	2	45	45	40-
BD635	TO-220	30	2	60	60	40-
BD636	TO-220	30	-2	-60	-60	40-
BD637	TO-220	30	2	80	100	40-
BD643	TO-220	62.5	8	45	60	750-
BD643F	TO-220Fa	20	8	45	60	>750(4A/3V)
BD644	TO-220	62.5	-8	-45	-60	750-
BD645	TO-220	62.5	8	60	80	750-
BD645F	TO-220Fa	20	8	60	80	>750(3A/3V)
BD646	TO-220	62.5	-8	-60	-80	750-
BD646F	TO-220Fa	20	-8	-60	-60	>750(3A/3V)
BD647	TO-220	62.5	8	80	100	750-
BD647F	TO-220Fa	20	8	80	100	>750(3A/3V)
BD648	TO-220	62.5	-8	-80	-100	750-
BD648F	TO-220Fa	20	-8	-80	-80	>750(3A/3V)
BD649	TO-220	62.5	8	100	120	750-
BD649F	TO-220Fa	20	8	100	120	>750(3A/3V)
BD650	TO-220	62.5	-8	-100	-120	750
BD650F	TO-220Fa	20	-8	-100	-100	>750(3A/3V)
BD651	TO-220	62.5	8	120	140	750-
BD651F	TO-220Fa	20	8	120	140	>750(3A/3V)
BD652	TO-220	62.5	-8	-120	-140	750-
BD652F	TO-220Fa	20	-8	-120	-120	>750(3A/3V)
BD675	TO-126	40	4	45	45	750-
BD675A	TO-126	40	4	45	45	750-
BD676	TO-126	40	-4	-45	-45	750-

BD676A	TO-126	40	-4	-45	-45	750-
BD677	TO-126	40	4	60	60	750-
BD677A	TO-126	40	4	60	60	750-
BD678	TO-126	40	-4	-60	-60	750-
BD678A	TO-126	40	-4	-60	-60	750-
BD679	TO-126	40	4	80	80	750-
BD679A	TO-126	40	4	80	80	750-
BD680	TO-126	40	-4	-80	-80	750-
BD680A	TO-126	40	-4	-80	-80	750-
BD681	TO-126	40	4	100	100	750-
BD682	TO-126	40	-4	-100	-100	750-
BD683	TO-126	40	4	120	140	750-
BD684	TO-126	40	-4	-120	-120	750-
BD698	TO-220	70	-5	-60	-60	750-
BD702	TO-220	70	-5	-100	-100	750-
BD705	TO-220	75	12	45	45	40-400
BD706	TO-220	75	-12	-45	-45	40-400
BD707	TO-220	75	12	60	60	40-400
BD708	TO-220	75	-12	-60	-60	40-400
BD709	TO-220	75	12	80	80	40-400
BD710	TO-220	75	-12	-80	-80	40-400
BD711	TO-220	75	12	100	100	40-400
BD712	TO-220	75	-12	-100	-100	40-400
BD719	TO-126	36	4	60	60	40-
BD720	TO-126	36	-4	-60	-60	40-
BD721	TO-126	36	4	80	80	40-
BD722	TO-126	36	-4	-80	-80	40-
BD723	TO-126	36	4	100	100	40-
BD724	TO-126	36	-4	-100	-100	40-
BD725	TO-126	36	4	120	120	40-
BD726	TO-126	36	-4	-120	-120	40-
BD738	TO-220	40	-4	-45	-45	40-
BD743	TO-220	90	15	45	50	20-150
BD743A	TO-220	90	15	60	70	20-150
BD743B	TO-220	90	15	80	90	20-150
BD743C	TO-220	90	15	100	110	20-150
BD744	TO-220	90	-15	-45	-50	20-150
BD744A	TO-220	90	-15	-60	-70	20-150
BD744B	TO-220	90	-15	-80	-90	20-150
BD744C	TO-220	90	-15	-100	-110	20-150

BD745	TO-3PN	115	20	45	50	20-150
BD745A	TO-3PN	115	20	60	70	20-150
BD745B	TO-3PN	115	20	80	90	20-150
BD745C	TO-3PN	115	20	100	110	20-150
BD746	TO-3PN	115	-20	-45	-50	20-150
BD746A	TO-3PN	115	-20	-60	-70	20-150
BD746B	TO-3PN	115	-20	-80	-90	20-150
BD746C	TO-3PN	115	-20	-100	-110	20-150
BD750	TO-3	200	-20	-90	-100	15-60
BD750A	TO-3	200	-20	-120	-130	25-100
BD750B	TO-3	250	-20	-100	-110	15-60
BD750C	TO-3	250	-20	-130	-140	25-100
BD751	TO-3	200	20	90	100	15-60
BD751A	TO-3	200	20	120	130	25-100
BD751B	TO-3	250	20	100	110	15-60
BD751C	TO-3	250	20	130	140	25-100
BD788	TO-126	15	-4	-60	-80	40-250
BD791	TO-126	15	4	100	100	40-250
BD797	TO-220	65	8	60	60	40-
BD798	TO-220	65	-8	-60	-60	40-
BD799	TO-220	65	8	80	80	30-
BD800	TO-220	65	-8	-80	-80	30-
BD801	TO-220	65	8	100	100	30-
BD802	TO-220	65	-8	-100	-100	30-
BD807	TO-220	90	10	60	70	30-
BD808	TO-220	90	-10	-60	-70	30-
BD809	TO-220	90	10	80	80	30-
BD810	TO-220	90	-10	-80	-80	30-
BD825	TO-202	8	1	45	45	40-250(0.15A/2V)
BD826	TO-202	8	-1	-45	-45	40-250(0.15A/2V)
BD827	TO-202	8	1	60	60	40-250(0.15A/2V)
BD828	TO-202	8	-1	-60	-60	40-250(0.15A/2V)
BD829	TO-202	8	1	80	100	40-250(0.15A/2V)
BD830	TO-202	8	-1	-80	-100	40-250(0.15A/2V)
BD839	TO-202	10	1.5	45	45	40-250(0.15A/2V)
BD840	TO-202	10	-1.5	-45	-45	40-250(0.15A/2V)
BD841	TO-202	10	1.5	60	60	40-250(0.15A/2V)
BD842	TO-202	10	-1.5	-60	-60	40-250(0.15A/2V)
BD843	TO-202	10	1.5	80	100	40-250(0.15A/2V)
BD844	TO-202	10	-1.5	-80	-100	40-250(0.15A/2V)

BD895	TO-220	70	8	45	45	750-
BD895A	TO-220	70	8	45	45	750-
BD896	TO-220	70	-8	-45	-45	750-
BD896A	TO-220	70	-8	-45	-45	750-
BD897	TO-220	70	8	60	60	750-
BD897A	TO-220	70	8	60	60	750-
BD898	TO-220	70	-8	-60	-60	750-
BD898A	TO-220	70	-8	-60	-60	750-
BD899	TO-220	70	8	80	80	750-
BD899A	TO-220	70	8	80	80	750-
BD900	TO-220	70	-8	-80	-80	750-
BD900A	TO-220	70	-8	-80	-80	750-
BD901	TO-220	70	8	100	100	750-
BD902	TO-220	70	-8	-100	-100	750-
BD905	TO-220	90	15	45	45	40-250
BD906	TO-220	90	-15	-45	-45	40-250
BD907	TO-220	90	15	60	60	40-250
BD908	TO-220	90	-15	-60	-60	40-250
BD909	TO-220	90	15	80	80	15-150
BD910	TO-220	90	-15	-80	-80	15-150
BD911	TO-220	90	15	100	100	15-150
BD912	TO-220	90	-15	-100	-100	15-150
BD933	TO-220	30	3	45	45	40-250
BD933F	TO-220Fa	19	3	45	45	40-250
BD934	TO-220	30	-3	-45	-45	40-250
BD934F	TO-220Fa	19	-3	-45	-45	40-250
BD935	TO-220	30	3	60	60	40-250
BD935F	TO-220Fa	19	3	60	60	40-250
BD936	TO-220	30	-3	-60	-60	40-250
BD936F	TO-220Fa	19	-3	-60	-60	40-250
BD937	TO-220	30	3	80	100	40-250
BD937F	TO-220Fa	19	3	80	100	40-250
BD938	TO-220	30	-3	-80	-100	40-250
BD938F	TO-220Fa	19	-3	-80	-100	40-250
BD939	TO-220	30	3	100	120	40-250
BD939F	TO-220Fa	19	3	100	120	40-250
BD940	TO-220	30	-3	-100	-120	40-250
BD940F	TO-220Fa	19	-3	-100	-120	40-250
BD941	TO-220	30	3	120	140	40-250
BD941F	TO-220Fa	19	3	120	140	40-250

BD942	TO-220	30	-3	-120	-140	40-250
BD942F	TO-220Fa	19	-3	-120	-140	40-250
BD943	TO-220	40	5	22	22	85-475
BD943F	TO-220Fa	22	5	22	22	85-475
BD944	TO-220	40	-5	-22	-22	85-475
BD944F	TO-220Fa	22	-5	-22	-22	85-475
BD945	TO-220	40	5	32	32	85-475
BD945F	TO-220Fa	22	5	32	32	85-475
BD946	TO-220	40	-5	-32	-32	85-475
BD946F	TO-220Fa	22	-5	-32	-32	85-475
BD947	TO-220	40	5	45	45	85-475
BD947F	TO-220Fa	22	5	45	45	85-475
BD948	TO-220	40	-5	-45	-45	85-475
BD948F	TO-220Fa	22	-5	-45	-45	85-475
BD949	TO-220	40	5	60	60	40-
BD949F	TO-220Fa	22	5	60	60	40-
BD950	TO-220	40	-5	-60	-60	40-
BD950F	TO-220Fa	22	-5	-60	-60	40-
BD951	TO-220	40	5	80	80	40-
BD951F	TO-220Fa	22	5	80	80	40-
BD952	TO-220	40	-5	-80	-80	40-
BD952F	TO-220Fa	22	-5	-80	-80	40-
BD953	TO-220	40	5	100	100	40-
BD953F	TO-220Fa	22	5	100	100	40-
BD954	TO-220	40	-5	-100	-100	40-
BD954F	TO-220Fa	22	-5	-100	-100	40-
BD955	TO-220	40	5	120	120	40-
BD955F	TO-220Fa	22	5	120	120	40-
BD956	TO-220	40	-5	-120	-120	40-
BD956F	TO-220Fa	22	-5	-120	-120	40-
BDS16	TO-220	50	8	120	120	40-250