

LOW-POWER SILICON NPN

Item Number	Part Number	Manufacturer	V _{(BR)CEO} (V)	h _{FE}	I _C Max (A)	f _T (Hz)	C _{obo} Max (F)	I _{CBO} Max (A)	V _{(BR)CBO} (V)	P _D Max (W)	Derate at (W/°C)	T _{Oper} Max (°C)	Package Style
V(BR)CEO >= 70 V, (Cont'd)													
-	MPS5858	Motorola	80	1.0	1.0	100M	15p	100n	80	625m	5.0m	150 J	TO-92
-	BFR50	NthAmerSemi	80	10	1.0	60M	8.0p	50n	80	800m	6.4m	150 J	TO-92
-	TIPP31B	TexslnstLtd	80	10	2.0			300u	80	0.8		150 J	TO-92
-	ST4341	SemiconTech	80	15	150m		50p	100u	80	1.0		175 J	TO-5
5	BSW65	NthAmerSemi	80	15	1.0	80M		100u	80	800m	4.5m	175 J	TO-5
-	BSW65	PhilipsElec	80	15	1.0	80M		100u	80	800m	4.5m	175 J	TO-5
-	2N1572	See Index	80	20	50m		10p	1.0u	125	600m	4.0m	175 S	TO-5
-	2N738	See Index	80	20	50m		10p	1.0u	125	500m	3.3m	175 S	TO-18
-	2N2517	See Index	80	20	50m	30M	6.0p	5.0n	125	400m	2.2m	175 S	TO-46
-	2N755	See Index	80	20	50m	30M	10p	1.0u	100	300m	3.0m	175 S	TO-18
10	BSS64	See Index	80	20	100m	60M	5.0p	100n	120	225m	1.8m	150 J	SOT-23
-	2N2086	See Index	80	20	500m	150M	12p	2.0u	120	600m	4.0m	175 J	TO-5
-	SOR1893 (A)	ThmsnCSFEFC	80	20	800m	50M		10n	120	310m	2.2m	150 J	TO-236
-	BSW39-6	NthAmerSemi	80	20	1.0	50M		30n	100	790m	4.5m	175 J	TO-39
15	BC344	See Index	80	20	1.0	100M	20p			800m			TO-39
-	2N2858	See Index	80	20	3	1.0M			100	600m	5.9m	175 J	TO-5
-	2N2852	See Index	80	20	3.0	30M	125p	100n	100	850m	5.0m	175 S	TO-52var
-	2N719	See Index	80	25	40M	20M	20p	2.0u	120	400m	10m	175 J	TO-18
-	2N2509	See Index	80	25	200m	45M	6.0p	5.0n	125	360m		175 C	TO-18
20	ESM639	Mistral SpA	80	25	1.0	130M		100n	100	800m	6.0m	150 J	N/A
-	BSS45	Telefunken	80	25	5.0			500n	85	870m	5.0m	175 J	TO-39
-	BSS45	NthAmerSemi	80	25	5.0			500n	85	870m	5.0m	175 J	TO-39
-	25C696A	Elec Trans	80	28	3.0	35M		3.0u	130	750m	5.0m	175 J	TO-39
25	2N2890	See Index	80	30		50M	120p	100n	100	800m	5.0m	175 J	TO-5
-	2N720A	See Index	80	30		50M	15p	10n	120	500m	10m	175 J	TO-18
-	BFY80	See Index	80	30	100m	50M	8.0p	500u	100	870m	6.7m	175 J	TO-18
-	MPSH04	See Index	80	30	100m	80M		50n	80	300m	2.7m	135 J	TO-226AA
-	2N1893	See Index	80	30	500m	50M	15p	10n	120	800m		175 J	TO-39
-	2N2316	See Index	80	30	500m	50M	20p	25n	120	350m	2.3m	175 J	TO-46
30	BCX31	NthAmerSemi	80	30	500m	80M		100n	100	880m	5.9m	150 J	N/A
-	2N1893A	See Index	80	30	500m	100M	8.0p	10n	140	800m	4.5m	175 J	TO-5
-	2N4239	See Index	80	30	1	1.0M	100p	100u	100	800m	4.5m	175 J	TO-5
-	BSW39-10	NthAmerSemi	80	30	1.0	50M		30n	100	790m	4.5m	175 J	TO-39
35	UPT113	Unitrode	80	30	1.0	50M	50p	10u	100	850m	40m	175 J	TO-5
-	2N2243	See Index	80	30	1	50M	15p	.01u	120	800m	4.5m	175 J	TO-5
-	2N2243A	See Index	80	30	1	50M	15p	.01u	120	800m	4.5m	175 J	TO-5
-	2N3020	See Index	80	30	1.0	80M	12p	10n	140	800m	4.6m	175 J	TO-39
-	2N3056A	See Index	80	30	1	80M	12p	.01u	140	400m	2.3m	175 J	TO-46
-	2N3701	See Index	80	30	1	80M	12p	.01u	140	500m	2.9m	175 S	TO-18
40	25C485	Elec Trans	80	30	1.5	20M		10u	120	800m	6.7m	150 J	TO-39
-	UPT213	Unitrode	80	30	2.0	70M	50p	10u	100	850m	40m	175 J	TO-5
-	2N2198	See Index	80	35	200m	4.0M	120p	15u	80	600m	5.6m	175 S	TO-5
-	2N981	See Index	80	36	100m	50M	5.0p	1.0u	80	500m	2.8m	175 A	TO-18
-	BC300-4	Micro Elecs	80	40				20n	120	850m	40m	175 J	TO-39
-	BC300-4	Semelab	80	40				20n	120	850m	40m	175 J	TO-39
-	BFW33	See Index	80	40		50M	15p	.01u	120	800m	4.5m	175 J	TO-5
-	HSE186	Hybrid Semi	80	40		50M		1.0u	100	800m	6.4m	150 J	TO-5
-	TL3568	ThmsnCSFEFC	80	40		60M	20p	50n	80				TO-105
-	BSW32	NthAmerSemi	80	40	30m			1.0u	100	250m	2.0m	150 S	TO-92
50	2N1573	See Index	80	40	50m		10p	1.0u	125	600m	4.0m	175 S	TO-5
-	2N739	See Index	80	40	50m		10p	1.0u	125	500m	3.3m	175 S	TO-18
-	2N845	See Index	80	40	50m	50M	10p	50u	100	300m	3.0m	175 S	TO-18
-	2N2518	See Index	80	40	50m	60M	6.0p	5.0n	125	400m	2.2m	175 S	TO-46
-	2N739A	See Index	80	40	50m	60M	6.0p	5.0n	125	500m	2.8m	175 S	TO-18
-	KT503D	V/O Electro	80	40	300m	50M		80	500m	4.0m	150 J	TO-92	
-	BSY55	See Index	80	40	500m	100M		10n	120	800m		175 J	TO-39
-	2N2087	See Index	80	40	500m	150M	12p	2.0u	120	600m	4.0m	175 J	TO-5
-	SO1893R	ThmsnCSFEFC	80	40	0.8	50M	15p			350m	2.8m	150 J	TO-236
-	TP3701	SprgueElec	80	40	800m	80M	12p	10n	140				TO-226
60	MA8002	See Index	80	40	800m	130M	10p	10n	120	800m	4.7m	175 J	TO-5
-	25D221	Sanken Elec	80	40	1.0	8.0M		1.0u	110	500m	4.0m	150 J	TO-5
-	25D221	Elec Trans	80	40	1.0	8.0M		1.0u	110	500m	4.0m	150 J	TO-5
-	AST2243	SemiconTech	80	40	1.0	50M	15p	10n	120	625m	5.0m	150 S	TO-92var
-	BSW39-16	NthAmerSemi	80	40	1.0	50M		30n	100	790m	4.5m	175 J	TO-39
65	2N2243AL	Semelab	80	40	1.0	50M				800m			TO-5
-	2N2243L	Semelab	80	40	1.0	50M				800m			TO-5
-	2N2364	See Index	80	40	1	50M	15p	.01u	120	400m	2.3m	175 J	TO-46
-	2N2364A	See Index	80	40	1	50M	15p	.01u	120	400m	2.3m	175 J	TO-46
-	BFR77	Semi Inc	80	40	1.0	80M	12p	10n	120	800m	4.5m	175 J	TO-39
70	BFR77	Micro Elecs	80	40	1.0	80M	12p	10n	120	800m	4.5m	175 J	TO-39
-	BFR77	Advncd Semi	80	40	1.0	80M	12p	10n	120	800m	4.5m	175 J	TO-39
-	BC639	See Index	80	40	1.0	130M		100n	100	800m	6.0m	150 J	TO-92
-	2N3036	See Index	80	40	1.2	50M	15p	.01u	120	800m	4.5m	175 S	TO-5
75	2N3036L	Semelab	80	40	1.2	50M				800m		175 S	TO-5
-	2N2850	See Index	80	40	3.0	30M	125p	100n	100	850m	5.0m	175 S	TO-52var
-	2N2851	See Index	80	40	3.0	30M	125p	100n	100	850m	5.0m	175 S	TO-52var
-	2N3421LP	Semelab	80	40	3.0	40M				800m			TO-39
-	2N4897	See Index	80	40	5.0	50M	80p	1.0m	150	800m	4.5m	175 J	TO-39
-	2N720	See Index	80	45		50M	20p	2.0u	120	400m	10m	175 J	TO-18
80	2N2435	See Index	80	45	500m	80M	15p	1.0n	120	500m	2.8m	175 J	TO-46
-	BC535	See Index	80	50		50M		100n	80	625m		150 J	TO-92
-	HSE126	Hybrid Semi	80	50		50M		1.0u	100	800m	6.4m	150 J	TO-5
-	2N2891	See Index	80	50		50M	120p	100n	100	800m	5.0m	175 J	TO-5
85	MMBT-A06	Motorola	80	50		100M		100n		350m	2.8m	150 S	SOT-89
-	HT2	FerrantiLtd	80	50	100m	60M	10p	100n	90	300m		175	SOT-89
-	TMPTA06	SprgueElec	80	50	100m	100M		100n	80	350m		150 J	TO-236
-	25C218	RF Gain	80	50	300m			.10u	80	650m	4.3m	175 J	TO-5
-	BC447	NthAmerSemi	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-226AA
-	BC447	Motorola	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-226AA
90	BC447	ITTSemintr	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-226AA
-	BC447-18	Motorola	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-18
-	BC447-5	Motorola	80	50	300m	100M		100n	80	625m	5.0m	150 J	TO-5
-	25C149	Solid Stnc	80	50	300m								

DISCONTINUED PART NUMBERS

Part Number	Manufacturer	Manufacturer	Part Number	Manufacturer	Manufacturer	Part Number	Manufacturer	Manufacturer	Part Number	Manufacturer	Manufacturer	Part Number	Manufacturer	Manufacturer
2N2742	PPC Product	Powerex Inc	SiliconTran	2N2781	SprgueElec	2N2808A	Raytheon Co	2N2831	SprgueElec	2N2856	Semtronics	2N2874	Semtronics	SprgueElec
2N2743	Semtronics	Sensitron	PPC Product	2N2782	Gnrl Trans	2N2809	Raytheon Co	2N2832	TRW Optron	2N2857	TRW Optron	2N2744	Powerex Inc	Intl Diode
2N2744	PPC Product	Powerex Inc	Semtronics	2N2783	SALTT	2N2809A	Raytheon Co	2N2833	Motorola	2N2858	Semtronics	2N2745	Semtronics	Intl Device
2N2745	PPC Product	Semtronics	SprgueElec	2N2784	Sensitron	2N2810	Raytheon Co	2N2834	Motorola	2N2859	Raytheon Co	2N2746	Powerex Inc	RCA Corp/GE
2N2746	Powerex Inc	Semtronics	TRW Optron	2N2785	Gnrl Trans	2N2810A	Raytheon Co	2N2835	Intl Diode	2N2860	Semtronics	2N2747	Powerex Inc	ThmsnCSFEFC
2N2747	PPC Product	Semtronics	TRW Optron	2N2786	SALTT	2N2811	APIElectron	2N2836	2N2836	2N2861	PhilElecON	2N2748	Powerex Inc	Torque Sys
2N2748	Powerex Inc	Semtronics	Sensitron	2N2787	SprgueElec	CSR Indus	FairchildSC	2N2837	2N2837	2N2862	CSR Indus	2N2749	Powerex Inc	Semtronics
2N2749	PPC Product	Semtronics	TRW Optron	2N2788	Sensitron	Powerex Inc	Semi Device	2N2838	2N2838	2N2863	PhilElecON	2N2750	Powerex Inc	SprgueElec
2N2750	PPC Product	Semtronics	TRW Optron	2N2789	SprgueElec	Sensitron	SprgueElec	2N2839	2N2839	2N2864	PhilElecON	2N2751	Powerex Inc	Intl Device
2N2751	PPC Product	Semtronics	TRW Optron	2N2790	Sensitron	Sensitron	TRW Optron	2N2840	2N2840	2N2865	PhilElecON	2N2752	Powerex Inc	APIElectron
2N2752	PPC Product	Semtronics	TRW Optron	2N2791	SprgueElec	Transitron	TRW Optron	2N2841	2N2841	2N2866	PhilElecON	2N2753	Powerex Inc	Semtronics
2N2753	PPC Product	Semtronics	TRW Optron	2N2792	PhilElecON	Transitron	TRW Optron	2N2842	2N2842	2N2867	PhilElecON	2N2754	Powerex Inc	SprgueElec
2N2754	PPC Product	Semtronics	TRW Optron	2N2793	Semtronics	Transitron	TRW Optron	2N2843	2N2843	2N2868	PhilElecON	2N2755	Powerex Inc	Intl Device
2N2755	PPC Product	Semtronics	TRW Optron	2N2794	ThmsnCSFEFC	Transitron	TRW Optron	2N2844	2N2844	2N2869	PhilElecON	2N2756	Powerex Inc	APIElectron
2N2756	PPC Product	Semtronics	TRW Optron	2N2795	PhilElecON	Transitron	TRW Optron	2N2845	2N2845	2N2870	PhilElecON	2N2757	Powerex Inc	SprgueElec
2N2757	PPC Product	Semtronics	TRW Optron	2N2796	Semtronics	Transitron	TRW Optron	2N2846	2N2846	2N2871	PhilElecON	2N2758	Powerex Inc	Intl Device
2N2758	PPC Product	Semtronics	TRW Optron	2N2797	ThmsnCSFEFC	Transitron	TRW Optron	2N2847	2N2847	2N2872	PhilElecON	2N2759	Powerex Inc	APIElectron
2N2759	PPC Product	Semtronics	TRW Optron	2N2798	PhilElecON	Transitron	TRW Optron	2N2848	2N2848	2N2873	PhilElecON	2N2760	Powerex Inc	Semtronics
2N2760	PPC Product	Semtronics	TRW Optron	2N2799	Semtronics	Transitron	TRW Optron	2N2849	2N2849	2N2874	PhilElecON	2N2761	Powerex Inc	Intl Device
2N2761	PPC Product	Semtronics	TRW Optron	2N2800	ThmsnCSFEFC	Transitron	TRW Optron	2N2850	2N2850	2N2875	PhilElecON	2N2762	Powerex Inc	APIElectron
2N2762	PPC Product	Semtronics	TRW Optron	2N2801	PhilElecON	Transitron	TRW Optron	2N2851	2N2851	2N2876	PhilElecON	2N2763	Powerex Inc	SprgueElec
2N2763	PPC Product	Semtronics	TRW Optron	2N2802	Semtronics	Transitron	TRW Optron	2N2852	2N2852	2N2877	PhilElecON	2N2764	Powerex Inc	Intl Device
2N2764	PPC Product	Semtronics	TRW Optron	2N2803	ThmsnCSFEFC	Transitron	TRW Optron	2N2853	2N2853	2N2878	PhilElecON	2N2765	Powerex Inc	APIElectron
2N2765	PPC Product	Semtronics	TRW Optron	2N2804	PhilElecON	Transitron	TRW Optron	2N2854	2N2854	2N2879	PhilElecON	2N2766	Powerex Inc	Semtronics
2N2766	PPC Product	Semtronics	TRW Optron	2N2805	Semtronics	Transitron	TRW Optron	2N2855	2N2855	2N2880	PhilElecON	2N2767	Powerex Inc	Intl Device
2N2767	PPC Product	Semtronics	TRW Optron	2N2806	ThmsnCSFEFC	Transitron	TRW Optron	2N2856	2N2856	2N2881	PhilElecON	2N2768	Powerex Inc	APIElectron
2N2768	PPC Product	Semtronics	TRW Optron	2N2807	PhilElecON	Transitron	TRW Optron	2N2857	2N2857	2N2882	PhilElecON	2N2769	Powerex Inc	SprgueElec
2N2769	PPC Product	Semtronics	TRW Optron	2N2808	Semtronics	Transitron	TRW Optron	2N2858	2N2858	2N2883	PhilElecON	2N2770	Powerex Inc	Intl Device
2N2770	PPC Product	Semtronics	TRW Optron	2N2809	ThmsnCSFEFC	Transitron	TRW Optron	2N2859	2N2859	2N2884	PhilElecON	2N2771	Powerex Inc	APIElectron
2N2771	PPC Product	Semtronics	TRW Optron	2N2810	PhilElecON	Transitron	TRW Optron	2N2860	2N2860	2N2885	PhilElecON	2N2772	Powerex Inc	SprgueElec
2N2772	PPC Product	Semtronics	TRW Optron	2N2811	Semtronics	Transitron	TRW Optron	2N2861	2N2861	2N2886	PhilElecON	2N2773	Powerex Inc	Intl Device
2N2773	PPC Product	Semtronics	TRW Optron	2N2812	ThmsnCSFEFC	Transitron	TRW Optron	2N2862	2N2862	2N2887	PhilElecON	2N2774	Powerex Inc	APIElectron
2N2774	PPC Product	Semtronics	TRW Optron	2N2813	PhilElecON	Transitron	TRW Optron	2N2863	2N2863	2N2888	PhilElecON	2N2775	Powerex Inc	Semtronics
2N2775	PPC Product	Semtronics	TRW Optron	2N2814	Semtronics	Transitron	TRW Optron	2N2864	2N2864	2N2889	PhilElecON	2N2776	Powerex Inc	Intl Device
2N2776	PPC Product	Semtronics	TRW Optron	2N2815	ThmsnCSFEFC	Transitron	TRW Optron	2N2865	2N2865	2N2890	PhilElecON	2N2777	Powerex Inc	APIElectron
2N2777	PPC Product	Semtronics	TRW Optron	2N2816	PhilElecON	Transitron	TRW Optron	2N2866	2N2866	2N2891	PhilElecON	2N2778	Powerex Inc	SprgueElec
2N2778	PPC Product	Semtronics	TRW Optron	2N2817	Semtronics	Transitron	TRW Optron	2N2867	2N2867	2N2892	PhilElecON	2N2779	Powerex Inc	Intl Device
2N2779	PPC Product	Semtronics	TRW Optron	2N2818	ThmsnCSFEFC	Transitron	TRW Optron	2N2868	2N2868	2N2893	PhilElecON	2N2780	Powerex Inc	APIElectron
2N2780	PPC Product	Semtronics	TRW Optron	2N2819	PhilElecON	Transitron	TRW Optron	2N2869	2N2869	2N2894	PhilElecON			