



Created By Amir Pc.

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N916	NPN	TO18	25	0.1	50-200	250M	0.36	
2N1132	PNP	TO39	50	0.6	30-90	50M	0.6	
2N1208	NPN	TO61	60	5	15min	3M	85	
2N1209	NPN	TO61	45	5	20min	3M	85	
2N1483A	NPN	TO8	40	3	20-200	1.2M	25	
2N1484A	NPN	TO8	55	3	20-200	1.2M	25	
2N1485A	NPN	TO8	40	3	35-200	1.2M	25	
2N1486A	NPN	TO8	55	3	35-200	1.2M	25	
2N1507	NPN	TO39	30	1	150typ	50M	0.6	
2N1613	NPN	TO39	50	0.5	40-120	70M	0.8	
2N1613L	NPN	TO5	50	0.5	40-120	70M	0.8	
2N1616	NPN	TO61	60	5	15-75	3M	85	
2N1617	NPN	TO61	70	5	15-75	3M	85	
2N1618	NPN	TO61	80	5	15-75	3M	85	
2N1711	NPN	TO39	50	0.5	40-120	70M	0.8	
2N1716	NPN	TO39	60	0.75	40min	16M	0.8	
2N1724	NPN	TO61	80	5	20-90	10M	100	
2N1724A	NPN	TO61	12	5	30-90	10M	100	
2N1725	NPN	TO61	80	5	50-150	10M	100	
2N1889	NPN	TO39	60	0.25	40-120	50M	0.8	
2N1890	NPN	TO39	60	0.25	100-300	50M	0.8	
2N1893	NPN	TO39	80	0.5	30min	50M	0.8	
2N1936	NPN	TO63	60	20	Oct-50	4M	150	
2N1937	NPN	TO63	80	20	Oct-50	4M	150	
2N1991	PNP	TO39	20	0.3	15-60	40M	0.6	
2N2060	PNP	TO77	80	0.5	40-120	60M	0.6	
2N2060A	PNP	TO77	80	0.5	40-120	60M	0.6	
2N2102	NPN	TO39	65	1	35min	60M	1	
2N2192	NPN	TO39	40	1	100-300	50M	0.8	
2N2192A	NPN	TO39	40	1	100-300	50M	0.8	
2N2192L	NPN	TO5	40	1	100-300	50M	0.8	
2N2193	NPN	TO39	50	1	40-120	50M	0.8	
2N2193A	NPN	TO39	50	1	40-120	50M	0.8	
2N2194	NPN	TO39	40	1	2.5	50M	800mW	
2N2194A	NPN	TO39	40	1	2.5	50M	800mW	
2N2218	NPN	TO39	30	0.8	40-120	250M	0.8	
2N2218A	NPN	TO39	40	0.8	40-120	250M	0.8	
2N2219	NPN	TO39	30	0.8	100-300	250M	0.8	
2N2219A	NPN	TO39	40	0.8	100-300	250M	0.8	
2N2219AL	NPN	TO5	40	0.8	100-300	250M	0.8	
2N2221	NPN	TO18	30	0.8	40-120	250M	0.5	
2N2221A	NPN	TO18	40	0.8	40-120	250M	0.5	
2N2222	NPN	TO18	30	0.8	100-300	250M	0.5	
2N2222A	NPN	TO18	40	0.8	100-300	250M	0.5	
2N2223	NPN	TO77	80	0.5	50-200	50M	0.6	

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N2223A	NPN	TO77	80	0.5	50-200	50M	0.6	
2N2223L	NPN	TO77Long	80	0.5	50-200	50M	0.6	
2N2236	NPN	TO39	20	0.5	15m	50M	0.6	
2N2243	NPN	TO39	80	1	40-120	50M	0.8	
2N2243A	NPN	TO39	80	1	40-120	50M	0.8	
2N2243L	NPN	TO5	80	1	40-120	50M	0.8	
2N2368	NPN	TO18	40	0.2	20-60	400M	0.36	
2N2369	NPN	TO18	40	0.2	40-120	400M	0.36	
2N2369A	NPN	TO18	40	0.2	40-120	500M	0.36	
2N2405	NPN	TO39	90	1	60-200	-	1	
2N2411	PNP	TO18	20	0.1	10min	140M	0.3	
2N2412	PNP	TO18	20	0.1	20min	140M	0.3	
2N2432	NPN	TO18	30	0.1	50min	20M	0.3	
2N2432A	NPN	TO18	45	0.1	50min	20M	0.3	
2N2453	NPN	TO77	40	0.05	150-600	60M	1.2	
2N2483	NPN	TO18	60	50m	80min	-	0.36	
2N2484	NPN	TO18	60	50m	150min	-	0.36	
2N2501	NPN	TO18	40	-	150typ	350M	0.36	
2N2604	PNP	TO46	60	-	60min	100M	0.4	
2N2605	PNP	TO46	60	-	150min	100M	0.4	
2N2639	NPN	TO77	45	30mA	65	32MHz	0.3	
2N2640	NPN	TO77	45	30m	65min	32MHz	0.3	
2N2641	NPN	TO77	45	30m	65min	32MHz	0.3	
2N2642	NPN	TO77	45	30m	130min	32MHz	0.3	
2N2643	NPN	TO77	45	30m	130min	32MHz	0.3	
2N2644	NPN	TO77	45	30m	130min	32MHz	0.3	
2N2696	PNP	TO18	25	0.5	30min	100M	0.36	
2N2771	NPN	TO63	150	35	10min	-	200	
2N2800	PNP	TO39	35	0.8	20min	120M	0.8	
2N2815	NPN	TO63	80	20	10-50	-	200	
2N2816	NPN	TO63	100	20	10-50	-	200	
2N2817	NPN	TO63	150	20	10-50	-	200	
2N2818	NPN	TO63	200	20	10-50	-	200	
2N2819	NPN	TO63	80	25	10-50	-	200	
2N2820	NPN	TO63	100	25	10-50	-	200	
2N2821	NPN	TO63	150	25	10-50	-	200	
2N2822	NPN	TO63	200	25	10-50	-	200	
2N2823	NPN	TO63	80	30	10-40	-	200	
2N2824	NPN	TO63	100	30	10-40	-	200	
2N2825	NPN	TO63	150	30	10-40	-	200	
2N2845	NPN	TO18	30	-	30min	250M	0.36	
2N2848	NPN	TO39	20	-	40min	250M	0.8	
2N2857	NPN	TO72	30	40mA	-	-	200mW	
2N2880	NPN	TO111	80	5	40/120	50	30	
2N2880	NPN	TO220M	80	5	40/120	50	30	
2N2890	NPN	TO39	80	2	30-90	30M	0.8	

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N2891	NPN	TO39	80	2	50-150	30M	0.8	
2N2891LL	NPN	TO5	80	2	30-90	30M	0.8	
2N2892	NPN	TO59	80	2	30-90	30M	0.8	
2N2893	NPN	TO59	80	5	50/150	30	30M	
2N2894	PNP	TO18	12	0.2	40-150	400M	0.36	
2N2894A	PNP	TO18	12	0.2	40min	800M	0.36	
2N2895	NPN	TO18	65	1	50min	120M	0.5	
2N2896	NPN	TO18	90	1	50min	120M	0.5	
2N2904	PNP	TO39	40	0.6	40-120	200M	0.6	
2N2904A	PNP	TO39	60	0.6	40-120	200M	0.6	
2N2904AL	PNP	TO5	60	0.6	40-120	200M	0.6	
2N2904L	PNP	TO5	60	0.6	40-120	200M	0.6	
2N2905	PNP	TO39	40	0.6	100-300	200M	0.6	
2N2905A	PNP	TO39	60	0.6	100-300	200M	0.6	
2N2905AL	PNP	TO5	60	0.6	100-300	200M	0.6	
2N2905L	PNP	TO5	60	0.6	100-300	200M	0.6	
2N2906	PNP	TO18	40	0.6	40-120	200M	0.4	
2N2906A	PNP	TO18	60	0.6	40-120	200M	0.4	
2N2907	PNP	TO18	40	0.6	100-300	200M	0.4	
2N2907A	PNP	TO18	60	0.6	100-300	200M	0.4	
2N2913	NPN	TO77	45	30m	60-240	60M	0.6	
2N2914	NPN	TO77	45	30m	150-600	60M	0.6	
2N2915	NPN	TO77	45	30m	60-240	60M	0.6	
2N2915A	NPN	TO77	45	30m	60-240	60M	0.6	
2N2916	NPN	TO77	45	30m	150-600	60M	0.6	
2N2917	NPN	TO77	45	30m	60-240	60M	0.6	
2N2918	NPN	TO77	45	30m	150-600	60M	0.6	
2N2919	NPN	TO77	60	30m	60-240	60M	0.6	
2N2919A	NPN	TO77	60	30m	60-240	60M	0.6	
2N2920	NPN	TO77	60	30m	150-600	60M	0.6	
2N2951	NPN	TO39	60	0.25	20-150	200M	3	
2N2960	NPN	TO39	30	0.6	-	-	0.6	
2N2961	NPN	TO39	30	0.6	-	-	0.6	
2N2979	NPN	TO71	60	30mA	-	60M	250mW	Dual Transistor
2N2979A	NPN	TO71	60	30mA	-	60M	250mW	Dual Transistor
2N2991	NPN	TO5	80	1	25-75	30M	2	
2N2992	NPN	TO5	100	1	25-75	30M	2	
2N2993	NPN	TO5	80	1	60-120	30M	2	
2N2994	NPN	TO5	100	1	60-120	30M	2	
2N3011	NPN	TO18	12	0.2	-	400M	360mW	
2N3012	NPN	TO18	12	0.2	30-120	400M	0.36	
2N3014	NPN	TO18	20	0.2	30-120	350M	0.36	
2N3019	NPN	TO39	80	1	80min	100M	0.8	
2N3020	NPN	TO39	80	1	30min	80M	0.8	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N3036	NPN	TO39	80	1.2	40min	50M	0.8	
2N3053	NPN	TO39	40	0.7	50-120	100M	0.8	
2N3053L	NPN	TO5	40	0.7	50-120	100M	0.8	
2N3054	NPN	TO66	55	4	25-100	0.8M	25	
2N3055	NPN	TO3	60	15	20min	0.8M	115	
2N3055/5NPN		TO3	30	15	14min	0.8M	115	
2N3055/6NPN		TO3	100	15	15-70	0.8M	115	
2N3055/7NPN		TO3	100	15	15-70	0.8M	115	
2N3055A	NPN	TO3	60	15	20min	0.8M	115	
2N3055E	NPN	TO3	60	15	20-70	2.5M	115	
2N3055H	NPN	TO3	60	15	20min	0.8M	115	
2N3108	NPN	TO5	60	1	20min	70M	0.8	
2N3109	NPN	TO39	40	1	100-300	70M	0.8	
2N3110	NPN	TO39	40	1	40-120	70M	0.8	
2N3114	NPN	TO39	150	0.1	30-120	40M	0.8	
2N3167	PNP	TO53	40	3	12-36	1M	85	
2N3168	PNP	TO53	60	3	12-36	1M	85	
2N3169	PNP	TO53	80	3	12-36	1M	85	
2N3170	PNP	TO53	100	3	12-36	1M	85	
2N3171	PNP	TO3	40	3	12-36	1M	75	
2N3172	PNP	TO3	60	3	12-36	1M	75	
2N3173	PNP	TO3	80	3	12-36	1M	75	
2N3174	PNP	TO3	100	3	12-36	1M	75	
2N3209	PNP	TO18	20	0.2	30-120	400M	0.36	
2N3209L	PNP	TO18L	20	0.2	30-120	400M	0.36	
2N3244	PNP	TO39	40	1	50-150	175M	1	
2N3245	PNP	TO39	50	1	30-90	150M	1	
2N3250	PNP	TO18	40	0.2	50min	250M	0.36	
2N3250A	PNP	TO18	60	0.2	50min	250M	0.36	
2N3250X	PNP	TO18	40	0.2	50min	250M	0.36	
2N3251	PNP	TO18	40	0.2	100min	300M	0.36	
2N3251A	PNP	TO18	60	0.2	100min	300M	0.36	
2N3252	NPN	TO39	30	1	30-90	200M	1	
2N3300	NPN	TO39	30	0.5	35min	800M	0.8	
2N3347	PNP	TO77	45	30m	40-300	60M	0.6	
2N3348	PNP	TO77	45	30m	40-300	60M	0.6	
2N3349	PNP	TO77	45	30m	40-300	60M	0.6	
2N3350	PNP	TO77	40	0.2	50-150	250M	0.36	
2N3351	PNP	TO77	40	0.2	100-300	300M	0.36	
2N3352	PNP	TO77	40	0.2	100-300	300M	0.36	
2N3410	NPN	TO77	30	0.5	50min	250M	600	
2N3411	NPN	TO77	30	0.5	50min	250M	600	
2N3420	NPN	TO39	60	3	40-120	40M	0.8	
2N3420A	NPN	TO39	60	5	40-120	40M	0.8	
2N3420AL	NPN	TO5	60	5	40-120	40M	0.8	
2N3421	NPN	TO39	80	3	40-120	40M	0.8	

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N3421A	NPN	TO39	80	5	40-120	40M	0.8	
2N3421LP	NPN	TO39LP	80	3	40-120	40M	0.8	
2N3425	NPN	TO77	15	-	20min	300M	0.3	
2N3439	NPN	TO39	300	1	40-160	15M	5	
2N3440	NPN	TO39	250	1	40-160	15M	5	
2N3440S	NPN	TO39	250	1	40-160	15M	5	
2N3441	NPN	TO66	140	3	20/800	-	25	
2N3448	NPN	TO3	80	7.5	40-120	10Mz	115	
2N3467	PNP	TO39	40	1	40-125	175M	1	
2N3485	PNP	TO46	40	0.6	40/120	200	0.4	
2N3485A	PNP	TO46	60	0.6	40/120	200	0.4	
2N3486	PNP	TO46	60	0.6	100/300	200	0.4	
2N3486A	PNP	TO46	60	0.6	100/300	200	0.4	
2N3500	NPN	TO39	150	0.3	40/120	150M	1	
2N3501	NPN	TO39	150	0.3	100/300	150M	1	
2N3501L	NPN	TO5	150	0.3	100/300	150M	1	
2N3506	NPN	TO39	40	3	40/120	60M	1	
2N3506L	NPN	TO5	40	3	40/120	60M	1	
2N3507	NPN	TO39	50	3	30/120	60M	1	
2N3507L	NPN	TO5	50	3	30/120	60M	1	
2N3507X	NPN	TO39	50	3	30/120	60M	1	
2N3508	NPN	TO46	20	0.5	40-160	500M	0.4	
2N3509	NPN	TO46	20	0.5	100-200	500M	0.4	
2N3511	NPN	TO52	40	0.5	15min	-	0.36	
2N3571	NPN	TO72	15	50m	20min	1.2G	0.2	
2N3583	NPN	TO66	175	1	40-200	10M	35	
2N3584	NPN	TO66	250	2	25-100	10M	35	
2N3584X	NPN	TO66	250	2	25-100	10M	35	
2N3585	NPN	TO66	300	2	25-100	10M	35	
2N3634	PNP	TO39	140	1	50-150	-	1	
2N3635	PNP	TO39	140	1	100/300	-	1	
2N3636	PNP	TO39	175	1	50/150	-	1	
2N3637	PNP	TO39	175	1	100/300	-	1	
2N3665	NPN	TO39	80	1	40/100	50M	5	
2N3680	NPN	TO77	50	30m	150-600	60M	0.6	
2N3700	NPN	TO18	80	1	-	100M	0.5	
2N3701	NPN	TO18	80	1	30min	80M	0.5	
2N3713	NPN	TO3	60	10	25-90	4M	150	
2N3714	NPN	TO3	80	10	25-90	4M	150	
2N3715	NPN	TO3	60	10	50-150	4M	150	
2N3716	NPN	TO3	80	10	50-150	4M	150	
2N3719	NPN	TO39	40	3	25-180	60M	6	
2N3720	NPN	TO39	60	3	25-180	60M	6	
2N3724	NPN	TO39	30	0.5	60-150	300M	0.8	
2N3724A	NPN	TO39	30	1.2	60-150	300M	0.8	
2N3725	NPN	TO39	50	0.5	60-150	300M	0.8	

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N3725A	NPN	TO39	50	1.2	60-150	300M	1	
2N3734	NPN	TO39	30	1.5	30-120	300M	1	
2N3735	NPN	TO39	50	1.5	20-80	250M	1	
2N3738	NPN	TO66	225	-	40-200	10M	20	
2N3739	NPN	TO66	300	-	40-200	10M	20	
2N3740AR	PNP	TO66	60	4	30-180	4M	25	
2N3741	PNP	TO66	80	4	30-100	4M	25	
2N3741R	PNP	TO66	80	4	30-180	4M	25	
2N3762	PNP	TO39	40	1.5	30-120	180M	1	
2N3763	PNP	TO39	60	1.5	20-80	150M	1	
2N3764	PNP	TO46	40	1.5	30-120	180M	0.5	
2N3765	PNP	TO46	60	1.5	20-80	150M	0.5	
2N3766	NPN	TO66	60	4	40-160	10M	20	
2N3767	NPN	TO66	80	4	40-160	10M	20	
2N3771	NPN	TO3	40	30	15-60	-	150	
2N3772	NPN	TO3	60	30	15-60	-	150	
2N3773	NPN	TO3	140	16	5-60	-	150	
2N3782	PNP	TO39	40	3	5-60	1M	5	
2N3789	PNP	TO3	60	10	25-90	4M	150	
2N3790	PNP	TO3	80	10	25-90	4M	150	
2N3791	PNP	TO3	60	10	50-150	4M	150	
2N3792	PNP	TO3	80	10	50-150	4M	150	
2N3799	PNP	TO18	60	-	250min	500M	0.36	
2N3799X	PNP	TO18	50	-	250min	500M	0.36	
2N3800	PNP	TO71	60	50mA	150	100M	0.25	Dual
Transistor								
2N3801	PNP	TO71	60	50mA	300	100M	0.25	Dual
Transistor								
2N3802	PNP	TO71	60	50mA	150	100M	0.25	Dual
Transistor								
2N3803	PNP	TO71	60	50mA	300	100M	0.25	Dual
Transistor								
2N3804	PNP	TO71	60	50mA	150	100M	0.25	Dual
Transistor								
2N3805	PNP	TO71	60	50mA	300	100M	0.25	Dual
Transistor								
2N3805A	PNP	TO71	60	50mA	300	100M	0.25	Dual
Transistor								
2N3806	PNP	TO77	60	50mA	150min	100M	0.5	
2N3807	PNP	TO77	60	50m	300min	100M	0.5	
2N3808	PNP	TO77	60	50m	150min	100M	0.5	
2N3809	PNP	TO77	60	50m	300min	100M	0.5	
2N3810	PNP	TO77	60	50m	150min	100M	0.5	
2N3811	PNP	TO77	60	50m	300min	100M	0.5	
2N3811A	PNP	TO77	60	50m	300min	100M	0.5	
2N3829	PNP	TO52	35	0.2	30min	350M	0.36	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N3830	NPN	TO39	50	1.2	30min	200M	1	
2N3830L	NPN	TO5	50	1.2	30min	200M	1	
2N3831	NPN	TO39	40	1.2	35min	200M	1	
2N3867	PNP	TO39	40	1	25min	80M	1	
2N3868	PNP	TO39	60	1	20min	60M	1	
2N3879	NPN	TO66	75	7	12-100	40M	35	
2N3902	NPN	TO3	400	2.5	30-90	-	100	
2N3907	NPN	TO77	45	30m	120min	60M	0.3	
2N3917	NPN	TO3	40	2	30-120	50M	20	
2N3918	NPN	TO3	40	2	100-300	50M	20	
2N3931	PNP	TO39	180	0.1	100min	40M	0.7	
2N3945	NPN	TO39	50	1	40-150	60M	5	
2N3947	NPN	TO18	40	0.2	100min	300M	0.36	
2N3962	PNP	TO18	60	0.2	100-450	40M	0.36	
2N3963	PNP	TO18	80	0.2	100-450	40M	0.36	
2N3964	PNP	TO18	45	0.2	250-600	40M	0.36	
2N3965	PNP	TO18	45	0.2	250-600	40M	0.36	
2N3996	NPN	TO111	80	5	40-120	40M	30	
2N3997	NPN	TO111	80	5	80-240	40M	30	
2N3998	NPN	TO59	80	5	40-120	40M	30	
2N3999	NPN	TO59	80	5	80-240	40M	30	
2N4000	NPN	TO39	80	1	30-120	40M	1	
2N4001	NPN	TO39	100	1	40-120	40M	1	
2N4026	PNP	TO18	60	1	30min	100M	0.5	
2N4027	PNP	TO18	80	1	30min	100M	0.5	
2N4028	PNP	TO18	60	1	75min	150M	0.5	
2N4029	PNP	TO18	80	1	75min	150M	0.5	
2N4030	PNP	TO39	60	1	30min	100M	0.8	
2N4031	PNP	TO39	80	1	30min	100M	0.8	
2N4032	PNP	TO39	60	1	75min	150M	0.8	
2N4033	PNP	TO39	80	1	75min	150M	0.8	
2N4036	PNP	TO39	65	1	40-140	60M	1	
2N4037	PNP	TO39	40	1	50-250	60M	1	
2N4046	NPN	TO39	30	0.5	150min	250M	0.8	
2N4111	NPN	TO3	60	5	40-120	50M	30	
2N4112	NPN	TO3	60	5	100-200	60M	30	
2N4113	NPN	TO3	80	5	40-120	50M	30	
2N4114	NPN	TO3	80	5	100-200	60M	30	
2N4150	NPN	TO39	80	5	40-120	15M	5	
2N4231	NPN	TO66	40	5	25-100	4M	35	
2N4231A	NPN	TO66	40	5	25-100	4M	35	
2N4232	NPN	TO66	60	5	25-100	4M	35	
2N4232A	NPN	TO66	60	5	25-100	4M	35	
2N4233	NPN	TO66	80	5	25-100	4M	35	
2N4233A	NPN	TO66	80	5	25-100	4M	35	
2N4234	PNP	TO39	40	3	30-150	3M	6	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N4235	PNP	TO39	60	3	30-150	3M	6	
2N4236	PNP	TO39	80	3	30-150	3M	6	
2N4237	PNP	TO39	40	1	30min	1M	0.8	
2N4238	NPN	TO39	60	1	30min	1M	0.8	
2N4239	PNP	TO39	80	1	30min	1M	0.8	
2N4240	NPN	TO66	300	5	10-100	15M	35	
2N4260	PNP	TO72	15	30m	25min	.6G	0.2	
2N4269	NPN	TO18	140	30m	200typ	-	0.36	
2N4269S	NPN	TO18	140	30m	200typ	-	0.36	
2N4272	NPN	TO39	140	2.5	20-140	0M	5	
2N4272A	NPN	TO39	140	2.5	20-140	0M	5	
2N4273	NPN	TO66	140	2.5	20-140	0M	25	
2N4300	NPN	TO39	80	2	30-120	30M	15	
2N4311	NPN	TO39	60	5	40-120	-	1.5	
2N4358	PNP	TO39	240	0.1	100min	40M	0.7	
2N4388	PNP	TO66	60	2	25-100	25M	20	
2N4395	NPN	TO3	40	5	50-170	4M	62	
2N4396	NPN	TO3	60	5	50-170	4M	62	
2N4399	PNP	TO3	60	30	15-60	4M	200	
2N4427	NPN	TO39	40	0.4	10-200	500M	2	
2N4863	NPN	TO39	120	2	50-150	50M	4	
2N4864	NPN	TO66	120	2	50-150	50M	16	
2N4895	NPN	TO39	60	5	40min	50M	0.8	
2N4896	NPN	TO39	60	5	1-0min	50M	0.8	
2N4897	NPN	TO39	80	5	40min	50M	0.8	
2N4898	PNP	TO66	40	4	20-100	3M	25	
2N4899	PNP	TO66	60	4	20-100	3M	25	
2N4900	PNP	TO66	80	4	20-100	3M	25	
2N4901	PNP	TO3	40	5	20-80	4M	87	
2N4902	PNP	TO3	60	5	20-80	4M	87	
2N4903	PNP	TO3	80	5	20-80	4M	87	
2N4904	PNP	TO3	40	5	25-100	4M	87	
2N4905	PNP	TO3	60	5	25-100	4M	87	
2N4906	PNP	TO3	80	5	25-100	4M	87	
2N4907	PNP	TO3	40	10	20-80	4M	150	
2N4908	PNP	TO3	60	10	20-80	4M	150	
2N4909	PNP	TO3	80	10	20-80	4M	150	
2N4910	NPN	TO66	40	4	20-100	3M	25	
2N4911	NPN	TO66	60	4	20-100	3M	25	
2N4912	NPN	TO66	80	4	20-100	3M	25	
2N4912X	NPN	TO66M	80	4	20-175	3M	25	
2N4913	NPN	TO3	40	5	25/100	4M	88	
2N4914	NPN	TO3	60	5	25-100	4M	88	
2N4915	NPN	TO3	80	5	25-100	4M	88	
2N4924	NPN	TO39	100	0.2	40-200	100M	1	
2N4925	NPN	TO39	150	0.2	40-200	100M	1	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N4928	PNP	TO39	100	0.1	20min	100M	0.6	
2N4929	PNP	TO39	150	50m	25-250	100M	1	
2N4930	PNP	TO39	200	50m	25-200	20M	1	
2N4931	PNP	TO39	250	0.5	20min	20M	1	
2N4937	PNP	TO79	40	50m	50min	300M	0.5	
2N4939	PNP	TO79	40	50m	50min	300M	0.5	
2N4999	PNP	TO59	80	2	30-90	50M	30	
2N5000	NPN	TO59	80	2	70-200	60M	30	
2N5001	PNP	TO59	80	2	70-200	60M	30	
2N5001S	PNP	TO59	80	2	70-200	60M	30	
2N5002	NPN	TO59	80	2	30-90	60M	50	
2N5010	NPN	TO39	500	0.5	30-180	20M	2	
2N5011	NPN	TO39	600	0.5	30-180	20M	2	
2N5012	NPN	TO39	700	0.5	30-180	20M	2	
2N5013	NPN	TO39	800	0.5	30-180	20M	2	
2N5014	NPN	TO39	900	0.5	30-180	20M	2	
2N5015	NPN	TO39	1000	0.5	30-180	20M	2	
2N5015S	NPN	TO39	1000	0.5	30-180	20M	2	
2N5023	PNP	TO39	30	0.5	40-100	200M	1	
2N5023S	PNP	TO39	30	0.5	40-100	200M	1	
2N5038	NPN	TO3	90	20	20-100	50M	140	
2N5039	NPN	TO3	75	20	20-100	50M	140	
2N5050	NPN	TO66	125	2	25-100	10M	40	
2N5051	NPN	TO66	150	2	25-100	10M	40	
2N5052	NPN	TO66	200	2	25-100	10M	40	
2N5058	NPN	TO39	300	0.15	35-150	30M	1	
2N5067	NPN	TO3	40	5	20-80	4M	88	
2N5068	NPN	TO3	60	5	20-80	4M	88	
2N5069	NPN	TO3	80	5	20-80	4M	88	
2N5092	NPN	TO39	350	1	15-250	50M	2	
2N5095	NPN	TO39	400	1	15-250	50M	2	
2N5097	NPN	TO39	450	1	15-250	50M	2	
2N5097S	NPN	TO39	450	1	50-250	50M	2	
2N5099	NPN	TO39	550	1	15-250	50M	2	
2N5147	PNP	TO39	20	2	30-90	50M	1	
2N5148	NPN	TO39	80	2	30-90	50M	1	
2N5150	NPN	TO39	80	2	70/200	60M	1	
2N5151	PNP	TO39	80	5	30-90	60M	10	
2N5151A	PNP	TO39	80	5	30-150	60M	10	
2N5151S	PNP	TO39	80	5	30-90	60M	10	
2N5152	NPN	TO39	80	5	30-90	60M	10	
2N5152-SM	NPN	TO220SM80	80	5	30-90	60M	10	
2N5152S	NPN	TO39	80	5	30-90	60M	10	
2N5153	PNP	TO39	80	5	70-200	60M	10	
2N5153	PNP	TO220M	80	5	70-200	60M	10	
2N5153	PNP	TO220SM80	80	5	70-200	60M	10	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N5153S	PNP	TO39	80	5	70-200	60M	10	
2N5154	NPN	TO39	80	5	70-200	60M	10	
2N5154	NPN	TO220M	80	5	70-200	60M	10	
2N515	NPN	TO220SM	80	5	70-200	60M	10	
2N5154A	NPN	TO39	80	5	60-200	60M	10	
2N5154S	NPN	TO39	80	5	70-200	60M	10	
2N5157	NPN	TO3	500	3.5	30-90	2.8M	100	
2N5179	NPN	TO72	12	50m	25min	900M	1.1m	
2N5239	NPN	TO3	225	5	20-80	5M	100	
2N5240	NPN	TO3	300	5	20/80	2M	100	
2N5241	NPN	TO3	400	5	15-35	2.5M	125	
2N5252	NPN	TO39	300	1	40-120	30M	1	
2N5253	NPN	TO39	300	1	80-250	30M	1	
2N5301	NPN	TO3	40	30	15-60	2M	200	
2N5302	NPN	TO3	60	30	15-60	2M	200	
2N5303	NPN	TO3	80	30	15-60	2M	200	
2N5320	NPN	TO39	75	2	30-120	50M	10	
2N5321	NPN	TO39	50	2	40-250	50M	10	
2N5322	PNP	TO39	75	2	30-130	50M	10	
2N5323	PNP	TO39	50	2	40-250	50M	10	
2N5333	PNP	TO39	80	2	30-120	30M	1	
2N5334	NPN	TO39	60	3	30-150	40M	6	
2N5335	NPN	TO39	80	3	30-150	40M	6	
2N5336	NPN	TO39	80	5	30-120	30M	6	
2N5336X	NPN	TO39	80	5	30-120	30M	6	
2N5337	NPN	TO39	80	5	60-240	30M	6	
2N5337A	NPN	TO220M	80	5	60-240	30M	6	
2N5337X	NPN	TO39	80	5	60-240	30M	6	
2N5338	NPN	TO39	100	5	30-120	30M	6	
2N5338X	NPN	TO39	100	5	30-120	30M	6	
2N5339	NPN	TO39	100	5	60-240	30M	6	
2N5339X	NPN	TO39	100	5	60-240	30M	6	
2N5344	PNP	TO66	250	1	25/150	60M	40	
2N5344A	PNP	TO66	250	1	25/180	60M	40	
2N5345	NPN	TO66	300	1	25/150	80M	40	
2N5345A	NPN	TO66	300	1	25/180	80M	40	
2N5357	NPN	TO3	60	20	500-5k	-	150	
2N5385	PNP	TO111	80	5	20/80	30M	-	
2N5404	PNP	TO39	80	5	20-60	40M	1	
2N5405	PNP	TO39	100	5	20-60	40M	1	
2N5406	PNP	TO39	80	5	40-120	40M	1	
2N5407	PNP	TO39	100	5	40-120	40M	1	
2N5408	PNP	TO111	80	5	20-60	40M	30	
2N5409	PNP	TO111	100	5	20-60	40M	30	
2N5410	PNP	TO111	80	5	40-120	40M	30	
2N5411	PNP	TO111	100	5	40-120	40M	30	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N5411A	PNP	TO111	100	5	40-200	40M	30	
2N5414	NPN	TO39	50	2	20/100	250M	1	
2N5415	PNP	TO39	200	1	30-150	15M	10	
2N5416	PNP	TO39	300	1	30-150	15M	10	
2N5416	PNP	TO220M	300	1	30-150	15M	10	
2N5427	NPN	TO66	80	7	50-120	30M	40	
2N5428	NPN	TO66	80	7	60-240	30M	40	
2N5429	NPN	TO66	80	7	30-120	30M	40	
2N5430	NPN	TO66	100	7	60-240	30M	40	
2N5466	NPN	TO39	400	3	15/60	2.5M	-	
2N5467	NPN	TO39	400	3	15/60	2.5M	-	
2N5468	NPN	TO66	400	3	15/60	2.5M	40	
2N5469	NPN	TO66	400	3	15/60	2.5M	40	
2N5477	NPN	TO59	80	7	30-120	30M	60	
2N5478	NPN	TO59	100	7	60-240	30M	60	
2N5479	NPN	TO59	100	7	30-120	30M	60	
2N5480	NPN	TO59	100	7	60-240	30M	60	
2N5498	NPN	TO3	130	15	Oct-50	1M	200	
2N5575	NPN	TO3	70	80	Oct-40	-	150	
2N5581	NPN	TO46	40	0.8	20min	250M	2	
2N5582	NPN	TO46	40	0.8	35min	250M	2	
2N5583	PNP	TO39	30	0.5	25/100	-	5	
2N5583LP	PNP	TO39LP	30	0.5	25/100	-	5	
2N5597	PNP	TO66	60	2	70-200	60M	20	
2N5598	NPN	TO66	60	2	70-200	60M	20	
2N5599	PNP	TO66	80	2	30-90	50M	20	
2N5600	PNP	TO66	80	2	30-90	50M	20	
2N5601	PNP	TO66	80	2	70-200	50M	20	
2N5602	NPN	TO66	80	2	70-200	50M	20	
2N5603	PNP	TO66	100	2	30-90	50M	20	
2N5604	NPN	TO66	100	2	30-90	50M	20	
2N5605	PNP	TO66	60	5	70-200	70M	25	
2N5606	NPN	TO66	60	5	70-200	70M	25	
2N5607	PNP	TO66	80	5	30-90	60M	25	
2N5608	NPN	TO66	80	5	30-90	60M	25	
2N5609	PNP	TO66	80	5	70-200	70M	25	
2N5610	NPN	TO66	80	5	70-200	70M	25	
2N5611	PNP	TO66	100	5	30-90	60M	25	
2N5611A	PNP	TO66	100	5	30-150	60M	25	
2N5612	NPN	TO66	100	5	30-90	60M	25	
2N5612A	NPN	TO66	100	5	30-150	60M	25	
2N5613	PNP	TO3	60	5	70-200	70M	50	
2N5614	NPN	TO3	60	5	70-200	70M	50	
2N5615	PNP	TO3	80	5	30-90	60M	50	
2N5616	NPN	TO3	80	5	30-90	60M	50	
2N5617	PNP	TO3	80	5	70-200	70M	50	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N5618	NPN	TO3	80	5	70-200	70M	50	
2N5619	PNP	TO3	80	5	70-200	70M	50	
2N5620	NPN	TO3	100	5	30-90	60M	50	
2N5621	PNP	TO3	60	10	70-200	40M	100	
2N5622	NPN	TO3	60	10	70-200	40M	100	
2N5623	PNP	TO3	80	10	30-90	30M	100	
2N5627	PNP	TO3	100	10	30/90	30M	100	
2N5629	NPN	TO3	100	16	25/100	1M	200	
2N5630	NPN	TO3	120	16	20/80	1M	200	
2N5631	NPN	TO3	140	16	15-60	1M	200	
2N5632	NPN	TO3	100	10	25-Oct	1M	150	
2N5633	NPN	TO3	80	10	30-90	30M	100	
2N5634	NPN	TO3	140	10	15-60	1M	150	
2N5661	NPN	TO66	300	1	25/750	20M	20	
2N5662	NPN	TO39	200	1	40-120	20M	15	
2N5663	NPN	TO39	300	1	25-75	20M	15	
2N5664	NPN	TO66	200	3	40-120	20M	30	
2N5665	NPN	TO66	300	3	25-75	20M	30	
2N5666	NPN	TO39	200	3	40-120	20M	15	
2N5667	NPN	TO39	300	3	25-75	20M	15	
2N5671	NPN	TO3	90	30	20-100	50M	140	
2N5672	NPN	TO3	120	30	20-100	50M	140	
2N5675	PNP	TO39	100	2	50-150	50M	1	
2N5676	PNP	TO66	100	2	50-150	50M	2	
2N5679	PNP	TO39	100	1	40-150	30M	10	
2N5680	PNP	TO39	120	1	40-150	30M	10	
2N5681	NPN	TO39	100	1	40-150	30M	10	
2N5682	NPN	TO39	120	1	40-150	30M	10	
2N5683	PNP	TO3	60	50	15-60	2M	300	
2N5684	NPN	TO3	80	50	15-60	2M	300	
2N5685	NPN	TO3	60	50	15-60	2M	300	
2N5686	NPN	TO3	80	50	15-60	2M	300	
2N5729	NPN	TO39	80	5	30-300	30M	10	
2N5730	NPN	TO59	80	10	30-300	30M	45	
2N5733	NPN	TO63	80	30	30-300	30M	150	
2N5734	NPN	TO3	80	30	30-300	30M	150	
2N5737	PNP	TO3	60	10	20-80	10M	50	
2N5738	PNP	TO3	100	10	20-80	10M	50	
2N5739	PNP	TO66	60	10	20-80	10M	20	
2N5740	PNP	TO66	100	10	20-80	10M	20	
2N5741	PNP	TO3	60	20	20-80	10M	65	
2N5742	PNP	TO3	100	20	20-80	10M	65	
2N5743	PNP	TO66	60	20	20-80	10M	25	
2N5744	PNP	TO66	100	20	20-80	10M	25	
2N5745	PNP	TO3	80	20	20-80	10M	200	
2N5758	NPN	TO3	100	6	25-100	1M	150	

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N5759	NPN	TO3	120	6	30-80	1M	150	
2N5760	NPN	TO3	140	6	15-60	1M	150	
2N5781	PNP	TO39	80	3.5	20-100	8M	10	
2N5782	PNP	TO39	65	3.5	20-100	8M	10	
2N5782L	PNP	TO5	65	3.5	20-100	8M	10	
2N5783	PNP	TO39	45	3.5	20-100	8M	10	
2N5784	PNP	TO39	80	3.5	20-100	8M	10	
2N5785	PNP	TO39	65	3.5	20-100	8M	10	
2N5786	NPN	TO39	45	3.5	20-200	-	10	
2N5804	NPN	TO3	300	5	10-100	15M	62	
2N5805	NPN	TO3	375	5	10-100	15M	62	
2N5838	NPN	TO3	275	3	10-50	5M	57	
2N5839	NPN	TO3	300	3	10-50	5M	57	
2N5840	NPN	TO3	375	3	10-50	5M	57	
2N5861	NPN	TO39	100	2	40-150	30M	10	
2N5864	PNP	TO39	70	1.5	50-500	50M	1.2	
2N5865	PNP	TO39	50	1	40-200	100M	1.2	
2N5867	PNP	TO3	60	5	20-100	4M	87	
2N5868	PNP	TO3	80	5	20-100	4M	87	
2N5869	NPN	TO3	60	5	20-100	4M	87	
2N5870	NPN	TO3	80	5	20-100	4M	87	
2N5871	PNP	TO3	60	7	20-100	4M	115	
2N5872	PNP	TO3	80	7	20-100	4M	115	
2N5873	NPN	TO3	60	7	20-100	4M	115	
2N5874	NPN	TO3	80	7	20-100	4M	115	
2N5875	PNP	TO3	60	10	20-100	4M	150	
2N5876	PNP	TO3	80	10	20-100	4M	150	
2N5877	NPN	TO3	60	10	20-100	4M	150	
2N5878	NPN	TO3	80	10	20-100	4M	150	
2N5879	PNP	TO3	80	15	20-100	4M	160	
2N5880	PNP	TO3	80	15	20-100	4M	160	
2N5881	NPN	TO3	60	15	20-100	4M	160	
2N5883	PNP	TO3	60	25	20-100	4M	200	
2N5884	PNP	TO3	80	25	20-100	4M	200	
2N5885	NPN	TO3	60	25	20-100	4M	200	
2N5886	NPN	TO3	80	25	20-100	4M	200	
2N5929	NPN	TO3	80	30	20-100	30M	100	
2N5930	NPN	TO3	120	30	20-100	30M	100	
2N5932	NPN	TO3	60	30	20-100	30M	100	
2N5933	NPN	TO3	100	30	20-100	30M	100	
2N5934	NPN	TO3	140	30	20-100	30M	100	
2N5935	NPN	TO3	80	30	20-100	30M	100	
2N5936	NPN	TO3	120	30	20-100	30M	100	
2N5937	NPN	TO3	160	30	20-100	30M	100	
2N5954	PNP	TO66	85	6	20-100	5M	40	
2N5955	PNP	TO66	65	6	20-100	5M	40	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N5956	PNP	TO66	45	6	20-100	5M	40	
2N5957	NPN	TO61	100	20	30/120	10M	100	
2N5971	NPN	TO3	80	15	15-150	4M	85	
2N5972	NPN	TO3	80	15	25-75	4M	85	
2N6030	PNP	TO3	120	16	20-80	-	200	
2N6031	PNP	TO3	140	16	15-60	-	200	
2N6032	NPN	TO3	90	50	10-50	50M	140	
2N6033	NPN	TO3	120	40	10-50	50M	140	
2N6047	NPN	TO63	100	29	20-100	30M	114	
2N6049	PNP	TO66	55	4	25-100	3M	75	
2N6049E	PNP	TO66	55	4	25-100	3M	75	
2N6050	PNP	TO3	60	12	750-12k	4M	150	
2N6051	PNP	TO3	80	12	750-12k	4M	150	
2N6052	PNP	TO3	100	12	750-12k	4M	150	
2N6053	PNP	TO3	60	8	750-18k	4M	100	
2N6054	PNP	TO3	80	8	750-18k	4M	100	
2N6055	NPN	TO3	60	8	750min	4M	100	
2N6056	NPN	TO3	80	8	750min	4M	100	
2N6057	NPN	TO3	60	12	750min	4M	150	
2N6058	NPN	TO3	80	12	750min	4M	150	
2N6059	NPN	TO3	100	12	750min	4M	150	
2N6077	NPN	TO66	275	7	12-70	1M	45	
2N6078	NPN	TO66	250	7	12-70	1M	45	
2N6079	NPN	TO66	350	7	12-70	1M	45	
2N6182	PNP	TO59	80	10	30/120	30M	60	
2N6183	PNP	TO59	80	10	60/240	30M	60	
2N6184	PNP	TO59	100	10	30/120	30M	60	
2N6185	PNP	TO59	100	10	60/240	30M	60	
2N6186	PNP	TO59	80	10	30/120	30M	60	
2N6187	PNP	TO59	80	10	60/240	30M	60	
2N6188	PNP	TO59	100	10	30/120	30M	60	
2N6189	PNP	TO59	100	10	60/240	30M	60	
2N6190	PNP	TO39	80	5	30-120	30M	10	
2N6192	PNP	TO39	100	5	30-120	20M	10	
2N6193	PNP	TO39	100	5	60-240	20M	10	
2N6193A	PNP	TO39	100	5	30-240	20M	10	
2N6211	PNP	TO66	275	2	10-100	20M	35	
2N6212	PNP	TO66	350	2	10-100	20M	35	
2N6213	PNP	TO66	400	2	10-100	20M	35	
2N6214	PNP	TO66	400	2	10-100	20M	35	
2N6216	NPN	TO3	150	10	20-80	20M	71	
2N6226	PNP	TO3	100	6	25-100	-	150	
2N6227	PNP	TO3	120	6	20-80	-	150	
2N6228	PNP	TO3	140	6	15-60	-	150	
2N6229	PNP	TO3	100	10	25-100	-	150	
2N6230	PNP	TO3	120	10	20-80	-	150	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N6232	NPN	TO39	100	10	40-250	30M	15	
2N6233	NPN	TO66	225	5	25-125	20M	50	
2N6234	NPN	TO66	275	5	25-125	20M	50	
2N6235	NPN	TO66	325	5	25-125	20M	50	
2N6235R	NPN	TO66	275	5	25-125	20M	50	
2N6245	PNP	TO66	330	1	40/200	-	20	
2N6246	PNP	TO3	70	10	20-100	10M	125	
2N6247	PNP	TO3	90	10	20-100	10M	125	
2N6248	PNP	TO3	110	10	20-100	10M	125	
2N6249	NPN	TO3	200	10	10-50	2.5M	100	
2N6250	NPN	TO3	275	10	8-50	2.5M	100	
2N6251	NPN	TO3	275	10	6-50	2.5M	100	
2N6253	NPN	TO3	45	15	20-150	-	150	
2N6254	NPN	TO3	80	15	20min	-	150	
2N6257	NPN	TO3	40	20	15-75	-	150	
2N6258	NPN	TO3	80	30	20min	-	250	
2N6259	NPN	TO3	150	16	15min	-	250	
2N6260	NPN	TO66	40	3	20-100	20M	29	
2N6261	NPN	TO66	80	4	20-100	20M	50	
2N6262	NPN	TO3	150	10	20-70	-	150	
2N6263	NPN	TO66	120	3	20-100	2M	20	
2N6264	NPN	TO66	150	3	20/60	1M	50	
2N6270	NPN	TO3	80	30	20-100	75M	150	
2N6271	NPN	TO3	100	30	20-100	75M	150	
2N6274	NPN	TO3	100	50	25-120	10M	150	
2N6274A	NPN	TO3	100	50	25-120	10M	150	
2N6275	NPN	TO3	120	50	30-120	30M	250	
2N6275A	NPN	TO3	120	50	30-120	30M	250	
2N6276	NPN	TO3	140	50	30-120	30M	250	
2N6276A	NPN	TO3	140	50	30-120	30M	250	
2N6277	NPN	TO3	150	50	30-120	30M	250	
2N6277A	NPN	TO3	150	50	30-120	30M	250	
2N6278	NPN	TO3	100	50	30-120	30M	250	
2N6279	NPN	TO63	120	50	30-120	30M	250	
2N6280	NPN	TO63	140	50	30-120	30M	250	
2N6281	NPN	TO63	150	50	30-120	30M	250	
2N6282	NPN	TO3	60	20	750-18k	4M	160	
2N6283	NPN	TO3	80	20	750-18k	4M	160	
2N6284	NPN	TO3	100	20	750-18k	4M	160	
2N6285	PNP	TO3	60	20	750-18k	4M	160	
2N6286	PNP	TO3	80	20	750-18k	4M	160	
2N6287	PNP	TO3	100	20	750-18k	4M	160	
2N6294	NPN	TO66	60	4	750-18k	4M	50	
2N6295	NPN	TO66	80	4	750-18k	4M	50	
2N6296	PNP	TO66	60	4	750/18k	4M	50	
2N6297	PNP	TO66	80	4	750-18k	4M	50	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N6298	PNP	TO66	60	8	750-18k	4M	75	
2N6299	PNP	TO66	100	8	750-18k	4M	75	
2N6300	NPN	TO66	60	8	750-18k	4M	75	
2N6301	NPN	TO66	80	8	750-18k	4M	75	
2N6302	NPN	TO3	120	16	15-60	-	150	
2N6303	PNP	TO39	120	0.5	40-150	30M	1	
2N6306	NPN	TO3	250	8	15-75	5M	125	
2N6307	NPN	TO3	300	8	15-75	5M	125	
2N6308	NPN	TO3	350	8	10-60	5M	125	
2N6312	PNP	TO66	80	4	750-18k	4M	50	
2N6313	PNP	TO66	60	5	25-100	4M	75	
2N6314	PNP	TO66	80	5	25-100	4M	75	
2N6315	NPN	TO66	60	7	20-100	4M	90	
2N6316	NPN	TO66	80	7	20-100	4M	90	
2N6317	PNP	TO66	60	7	20-100	4M	90	
2N6318	NPN	TO66	80	7	20-100	4M	90	
2N6322	NPN	TO3	200	30	40-150	10M	200	
2N6323	NPN	TO3	300	30	50-150	10M	200	
2N6327	NPN	TO3	80	30	6-30	3M	114	
2N6328	NPN	TO3	100	30	6-30	3M	114	
2N6329	PNP	TO3	60	30	6-30	3M	114	
2N6330	PNP	TO3	80	30	6-30	3M	114	
2N6331	PNP	TO3	90	30	6-30	3M	114	
2N6338	NPN	TO3	100	25	30-120	40M	200	
2N6339	NPN	TO3	120	25	30-120	40M	200	
2N6339X	NPN	TO3	120	25	30-120	40M	200	
2N6340	NPN	TO3	140	25	30-120	40M	200	
2N6341	NPN	TO3	150	25	30-120	40M	200	
2N6354	NPN	TO3	120	10	20-150	50M	140	
2N6354A	NPN	TO3	120	10	20-150	50M	140	
2N6355	NPN	TO3	40	20	500-5k	-	150	
2N6356	NPN	TO3	40	20	1k-20k	-	150	
2N6358	NPN	TO3	60	20	1.5k-10k	-	150	
2N6359	NPN	TO3	80	16	15-60	-	150	
2N6360	NPN	TO3	100	12	15-60	-	150	
2N6372	NPN	TO66	80	6	20/100	4M	23	
2N6373	NPN	TO66	40	6	20/100	4M	23	
2N6374	NPN	TO66	50	6	20-100	4M	22	
2N6377	PNP	TO3	80	50	30-120	25M	250	
2N6377E	PNP	TO3	80	50	30-120	25M	250	
2N6378	PNP	TO3	100	50	30-120	25M	250	
2N6378E	PNP	TO3	100	50	30-120	25M	250	
2N6379	PNP	TO3	120	50	30-120	25M	250	
2N6383	NPN	TO3	40	10	1k-20k	20M	100	
2N6384	NPN	TO3	60	10	1k-20k	20M	100	
2N6385	NPN	TO3	80	10	1k-20k	20M	100	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N6394	NPN	TO66	60	4	750-18k	4M	50	
2N6395	NPN	TO66	80	4	750-18k	4M	50	
2N6420	PNP	TO66	175	1	40/200	10M	35	
2N6421	PNP	TO66	250	2	8-80	10M	35	
2N6422	PNP	TO66	300	2	8-80	10M	35	
2N6423	PNP	TO66	300	2	10-100	15M	35	
2N6424	PNP	TO66	225	0.25	40-200	10M	20	
2N6425	PNP	TO66	300	0.25	40-200	10M	20	
2N6425A	PNP	TO66	300	0.25	35-200	10M	20	
2N6436	PNP	TO3	80	25	20-80	40M	200	
2N6437	PNP	TO3	100	25	20-80	40M	200	
2N6438	PNP	TO3	120	25	20-80	40M	200	
2N6448	NPN	TO78	45	10mA	-	160M	-	
2N6461	NPN	TO39	300	0.1	30-120	200M	1	
2N6462	NPN	TO39	300	0.1	100-300	200M	1	
2N6463	NPN	TO39	250	0.1	30-120	200M	1	
2N6464	NPN	TO39	250	0.1	100-300	200M	1	
2N6465	NPN	TO66	110	4	15-150	5M	23	
2N6466	NPN	TO66	130	4	15-150	5M	23	
2N6467	PNP	TO66	110	4	15-150	5M	23	
2N6468	PNP	TO66	130	4	15-150	5M	23	
2N6469	PNP	TO3	50	15	20-150	10M	71	
2N6496	NPN	TO3	130	15	12-100	60M	80	
2N6500	NPN	TO66	110	4	15-60	60M	20	
2N6511	NPN	TO3	250	7	Oct-50	3M	120	
2N6512	NPN	TO3	300	7	Oct-50	3M	120	
2N6513	NPN	TO3	350	7	Oct-50	3M	120	
2N6514	NPN	TO3	300	7	Oct-50	3M	120	
2N6534	NPN	TO66	80	8	100-5k	20M	14	
2N6535	NPN	TO66	100	8	100-5k	20M	14	
2N6536	NPN	TO66	100	8	100-5k	20M	14	
2N6537	NPN	TO66	120	8	100-5k	20M	14	
2N6542	NPN	TO3	300	5	7-35	6M	100	
2N6543	NPN	TO3	400	5	7-35	6M	100	
2N6544	NPN	TO3	300	8	7-35	6M	125	
2N6545	NPN	TO3	400	8	7-35	6M	125	
2N6546	NPN	TO3	300	15	12-66	6M	175	
2N6547	NPN	TO3	400	15	12-66	6M	175	
2N6560	NPN	TO3	450	10	10-40	10M	220	
2N6561	NPN	TO3	300	10	10-50	15M	220	
2N6569	NPN	TO3	40	12	15-200	1.5M	100	
2N6573	NPN	TO3	250	10	7-21	5M	125	
2N6574	NPN	TO3	275	10	7-21	5M	125	
2N6575	NPN	TO3	300	10	7-21	5M	125	
2N6576	NPN	TO3	60	15	500-5k	200M	120	
2N6577	NPN	TO3	90	15	500-5k	200M	120	

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2N6578	NPN	TO3	120	15	500-5k	200M	120	
2N6580	NPN	TO3	400	10	7-35	25M	125	
2N6581	NPN	TO3	450	10	7-35	25M	125	
2N6582	NPN	TO3	350	10	7-35	25M	125	
2N6583	NPN	TO3	400	10	7-35	25M	125	
2N6584	NPN	TO3	450	10	7-35	25M	125	
2N6585	NPN	TO61	350	10	7-35	25M	125	
2N6586	NPN	TO61	400	10	7-35	25M	125	
2N6587	NPN	TO61	450	10	7-35	25M	125	
2N6588	NPN	TO61	350	10	7-35	25M	125	
2N6589	NPN	TO61	400	10	7-35	25M	125	
2N6590	NPN	TO61	450	10	7-35	25M	125	
2N6594	PNP	TO3	40	12	15-200	2.5M	100	
2N6609	PNP	TO3	140	16	5min	-	150	
2N6653	NPN	TO3	300	20	10min	15M	175	
2N6654	NPN	TO3	350	20	10min	75M	150	
2N6655	NPN	TO3	400	20	10min	75M	150	
2N6671	NPN	TO3	300	8	10-40	15M	150	
2N6672	NPN	TO3	350	8	10-40	15M	150	
2N6673	NPN	TO3	400	8	10-40	15M	150	
2N6674	NPN	TO3	300	15	8-20	15M	175	
2N6675	NPN	TO3	400	15	8-20	15M	175	
2N6676	NPN	TO3	300	15	8min	15M	175	
2N6677	NPN	TO3	350	15	8min	15M	175	
2N6678	NPN	TO3	400	15	8min	15M	175	
2N6686	NPN	TO3	180	25	25-100	20M	200	
2N6687	NPN	TO3	180	25	25/100	20M	114	
2N6688	NPN	TO3	200	25	25-100	20M	200	
2N6751	NPN	TO3	400	10	8min	15M	75	
2N6752	NPN	TO3	450	10	8min	15M	75	
2N6753	NPN	TO3	500	10	8min	15M	75	
2N6754	NPN	TO3	500	10	8min	15M	75	
2N727	PNP	TO18	20	50mA	-	-	0.3	
2N835	NPN	TO18	20	0.2	40min	450M	0.3	
2N869	PNP	TO18	25	0.1	20min	100M	0.36	
2N869A	PNP	TO18	25	0.1	20min	100M	0.36	
2N914	NPN	TO18	20	0.1	30-120	300M	0.36	
2N915	NPN	TO18	50	0.1	50-200	250M	0.36	
2N918	NPN	TO72	15	3m	20m	600M	0.2	
2N929	NPN	TO18	45	30m	40-120	30M	0.3	
2N930	NPN	TO18	45	30m	100-300	30M	0.3	
2N930A	NPN	TO18	45	30m	150m	45M		
2S012	NPN	TO53	60	2	10min	10M	37.5	
2S013	NPN	TO53	60	2	10-50	10M	37.5	
2S013A	NPN	TO53	60	1.5	15-50	10M	60	
2S024	NPN	TO53	32	7.5	20min	10M	100	

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
2S025	NPN	TO53	60	7.5	20min	10M	100	
2S026	NPN	TO53	100	7.5	20min	10M	100	
2S033	NPN	TO3	100	3	10min	15M	40	
2S034	NPN	TO3	100	3	25min	15M	40	
2S035	NPN	TO3	150	3	10min	15M	40	
2S036	NPN	TO3	150	3	25min	15M	40	
2S103	NPN	TO18	45	50m	40-100	60M	0.36	
2S104	NPN	TO18	45	50m	80-100	100M	0.36	
2S301A	NPN	TO39	80	0.1	10-45	0.7M	0.3	
2S302A	NPN	TO39	40	0.1	15-60	0.8	0.3	
2S303A	NPN	TO39	25	0.1	25-85	1.2M	0.3	
2S304A	NPN	TO39	15	0.1	45-150	0.7M	0.3	
2S305A	NPN	TO39	125	0.1	10-45	0.7M	0.3	
2S307A	NPN	TO39	15	0.1	80min	2M	0.3	
BC107	NPN	TO18	45	0.1	110-450	150M	0.3	
BC107A	NPN	TO18	45	0.1	110-220	150M	0.3	
BC107B	NPN	TO18	45	0.1	200-450	150M	0.3	
BC108	NPN	TO18	20	0.1	110-800	150M	0.3	
BC108A	NPN	TO18	20	0.1	110-220	150M	0.3	
BC108B	NPN	TO18	20	0.1	200-450	150M	0.3	
BC108C	NPN	TO18	20	0.1	420-800	150M	0.3	
BC109	NPN	TO18	20	0.1	200-800	150M	0.3	Low Noise
BC109B	NPN	TO18	20	0.1	200-450	150M	0.3	
BC109C	NPN	TO18	20	0.1	420-800	150M	0.3	
BC177	PNP	TO18	45	0.1	70-460	130M	0.3	
BC177A	PNP	TO18	45	0.1	70-220	130M	0.3	
BC177B	PNP	TO18	45	0.1	180-460	130M	0.3	
BC178	PNP	TO18	25	0.1	70-460	100M	0.3	
BC178A	PNP	TO18	25	0.1	120-220	100M	0.3	
BC178B	PNP	TO18	25	0.1	180-460	100M	0.3	
BC179	PNP	TO18	20	0.1	120-800	100M	0.3	
BC179A	PNP	TO18	20	0.1	120-220	100M	0.3	
BC179B	PNP	TO18	20	0.1	180-460	100M	0.3	
BC179C	PNP	TO18	20	0.1	300-800	100M	0.3	
BC300	NPN	TO39	80	1	40-240	120M	0.85	
BC300-4	NPN	TO39	80	1	40-80	120M	0.85	
BC300-5	NPN	TO39	80	1	70-140	120M	0.85	
BC300-6	NPN	TO39	80	1	120-240	120M	0.85	
BC301	NPN	TO39	60	1	40-240	120M	0.85	
BC301-4	NPN	TO39	60	1	40-80	120M	0.85	
BC301-5	NPN	TO39	60	1	70-140	120M	0.85	
BC301-6	NPN	TO39	60	1	120-240	120M	0.85	
BC302	NPN	TO39	45	1	40-240	120M	0.85	
BC302-5	NPN	TO39	45	1	70-140	120M	0.85	
BC303	PNP	TO39	60	1	40-240	75M	0.85	
BC303-4	PNP	TO39	60	1	40-80	75M	0.85	

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BC303-5	PNP	TO39	60	1	70-140	75M	0.85	
BC303-6	PNP	TO39	60	1	120-240	75M	0.85	
BC304	PNP	TO39	45	1	40-240	75M	0.85	
BC323	NPN	TO39	100	5	50-250	100M	0.8	
BC377	NPN	TO18	45	1	75-500	-	0.38	
BC378	NPN	TO18	25	1	75-500	-	0.38	
BC393	PNP	TO18	180	0.1	50min	50M	0.4	
BC394	NPN	TO18	160	0.1	30min	40M	0.8	
BC440	NPN	TO39	40	2	40-250	50M	1	
BC440-4	NPN	TO39	40	2	40-70	50M	1	
BC440-5	NPN	TO39	40	2	60-130	50M	1	
BC440-6	NPN	TO39	40	2	115-250	50M	1	
BC441	NPN	TO39	60	2	40-250	50M	1	
BC441-4	NPN	TO39	60	2	40-70	50M	1	
BC441-5	NPN	TO39	60	2	60-130	50M	1	
BC441-6	NPN	TO39	60	2	115-250	50M	1	
BC460	PNP	TO39	40	2	40-250	50M	1	
BC460-4	PNP	TO39	40	2	40-70	50M	1	
BC460-5	PNP	TO39	40	2	60-130	50M	1	
BC460-6	PNP	TO39	40	2	115-250	50M	1	
BC461	PNP	TO39	60	2	40-250	50M	1	
BC461-4	PNP	TO39	60	2	40-70	50M	1	
BC461-5	PNP	TO39	60	2	60-130	50M	1	
BC461-6	PNP	TO39	60	2	115-250	50M	1	
BC477	PNP	TO18	80	0.1	50-220	150M	0.36	
BC477A	PNP	TO18	80	0.1	50-120	150M	0.36	
BC477B	PNP	TO18	80	0.1	110-220	150M	0.36	
BC478	PNP	TO18	40	0.1	110-450	150M	0.36	
BC478A	PNP	TO18	40	0.1	110-220	150M	0.36	
BC478B	PNP	TO18	40	0.1	200-450	150M	0.36	
BC479	PNP	TO18	40	0.1	200-450	150M	0.36	
BC546	NPN	TO92	80	100m	125	150M	300m	
BC547	NPN	TO92	50	100m	110	150M	300m	
BC548	NPN	TO92	30	100m	110	150M	300m	
BC549	NPN	TO92	30	100m	110	150M	300m	Low Noise
BC556	PNP	TO92	80	100m	75-450	150M	300m	
BC557	PNP	TO92	50	100m	75	150M	300m	
BC558	PNP	TO92	50	100m	74-475	150M	300m	
BC559	PNP	TO92	50	100m	125	150M	300m	Low Noise
BCW34	NPN	TO18	45	0.6	100-350	150M	0.36	
BCW35	PNP	TO18	45	0.6	100-350	150M	0.36	
BCY30A	PNP	TO5	64	0.1	10-35	7M	0.6	
BCY31A	PNP	TO5	64	0.1	15-60	7M	0.6	
BCY32A	PNP	TO5	64	0.1	20-70	7M	0.6	
BCY33A	PNP	TO5	32	0.1	10-35	7M	0.6	
BCY34A	PNP	TO5	32	0.1	15-60	7M	0.6	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BCY34AL	PNP	TO5	32	0.1	15-60	7M	0.6	
BCY38A	PNP	TO5	32	0.25	10-50	7M	0.41	
BCY39A	PNP	TO5	60	0.25	10-50	7M	0.41	
BCY40A	PNP	TO5	24	0.25	15-120	7M	0.41	
BCY54A	NPN	TO5	50	0.25		2M	0.4	
BCY56	NPN	TO18	45	0.1	100-450	250M	0.3	
BCY58	NPN	TO18	32	0.2	120-630	125M	0.36	
BCY58A	NPN	TO18	32	0.2	120-630	125M	0.36	
BCY59	NPN	TO18	45	0.2	120-630	125M	0.36	
BCY70	PNP	TO18	40	0.2	50min	250M	0.36	
BCY71	PNP	TO18	45	0.2	100-600	250M	0.36	
BCY72	PNP	TO18	25	0.2	50min	250M	0.36	
BCY78	PNP	TO18	32	0.2	120-630	100M	0.36	
BCY78A	PNP	TO18	32	0.2	120-220	100M	0.36	
BCY78B	PNP	TO18	32	0.2	180-310	100M	0.36	
BCY78C	PNP	TO18	32	0.2	250-460	100M	0.36	
BCY78D	PNP	TO18	32	0.2	380-630	100M	0.36	
BCY79	PNP	TO18	45	0.2	80-360	180M	0.39	
BCY79A	PNP	TO18	45	0.2	120-220	180M	0.39	
BCY79B	PNP	TO18	45	0.2	180-310	180M	0.39	
BCY79C	PNP	TO18	45	0.2	250-460	180M	0.39	
BCY87	NPN	TO71	40	30mA	-	10M	0.15	
BCY88	NPN	TO71	40	30mA	-	10M	0.15	
BCY89	NPN	TO71	40	30mA	-	10M	0.15	
BCY91	PNP	TO18	40	50m	42min	15M	0.35	
BCY95	PNP	TO18	70	50mA	-	15M	0.35	
BD106A	NPN	SOT9	36	2.5	50-150	100M	11.5	
BD106B	NPN	SOT9	36	2.5	100-300	100M	11.5	
BD106C	NPN	SOT9	36	2.5	250min	100M	11.5	
BD107A	NPN	SOT9	64	2.5	50-150	100M	11.5	
BD107B	NPN	SOT9	64	2.5	100-300	100M	11.5	
BD107C	NPN	SOT9	64	2.5	250min	100M	11.5	
BD121	NPN	TO3	35	5	15min	60M	45	
BD124	NPN	SOT9	45	4	40-300	60M	15	
BD139	NPN	TO126	80	1	40-160	-	6.5	
BD140	PNP	TO126	80	1	40-250	-	6.5	
BDS10	NPN	TO220M	60	15	40-250	3M	90	
BDS11	NPN	TO220M	80	15	40-250	3M	90	
BDS12	NPN	TO220M	100	15	40-250	3M	90	
BDS13	PNP	TO220M	60	15	40-250	3M	90	
BDS14	PNP	TO220M	80	15	40-250	3M	90	
BDS15	PNP	TO220M	100	15	40-250	3M	90	
BDS16	NPN	TO220M	120	15	40-250	30M	90	
BDS17	NPN	TO220M	150	15	40-250	30M	90	
BDS18	PNP	TO220M	120	15	40-250	30M	90	
BDS19	PNP	TO220M	150	15	40-250	30M	90	

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BDS20	NPN	TO220M	80	5	1000min	8M	50	
BDS21	PNP	TO220M	80	5	1000min	8M	50	
BDS28A	PNP	TO254M	60	30	1000min	4M	150	
BDS28B	PNP	TO254	90	30	1000min	4M	150	
BDS28C	PNP	TO254	120	30	1000min	4M	150	
BDS29A	NPN	TO254M	60	30	1000min	4M	150	
BDS29B	NPN	TO254	90	30	1000min	4M	150	
BDS29C	NPN	TO254	120	30	1000min	4M	150	
BDT63	NPN	TO63	60	10	1kmin	-	90	
BDT91	NPN	TO220	80	10	5min	4M	90	
BDW21	NPN	TO3	45	10	15-150	3M	90	
BDW21A	NPN	TO3	60	10	15-150	3M	90	
BDW21B	NPN	TO3	80	10	15-150	3M	90	
BDW21C	NPN	TO3	100	10	15-150	3M	90	
BDW22	PNP	TO3	45	10	15-150	3M	90	
BDW22A	PNP	TO3	60	10	15-150	3M	90	
BDW22B	PNP	TO3	80	10	15-150	3M	90	
BDW22C	PNP	TO3	100	10	15-150	3M	90	
BDW25	NPN	TO66	-	-	-	-	-	
BDW25/6	NPN	TO66	-	-	-	-	-	
BDW26	NPN	TO66	-	-	-	-	-	
BDW51	NPN	TO3	45	15	20-150	3M	125	
BDW51A	NPN	TO3	60	15	20-150	3M	125	
BDW51B	NPN	TO3	80	15	20-150	3M	125	
BDW51C	NPN	TO3	100	15	20-150	3M	125	
BDW52	PNP	TO3	45	15	20-150	3M	125	
BDW52B	PNP	TO3	80	15	20-150	3M	125	
BDW52C	PNP	TO3	100	15	20-150	3M	125	
BDW83	NPN	TO3	45	15	750-20k	1M	150	
BDW83A	NPN	TO3	60	15	750-20k	1M	150	
BDW83B	NPN	TO3	80	15	750-20k	1M	150	
BDW83C	NPN	TO3	100	15	750-20k	1M	150	
BDW84	PNP	TO3	45	15	750-20k	1M	150	
BDW84A	PNP	TO3	60	15	750-20k	1M	150	
BDW84B	PNP	TO3	80	15	750-20k	1M	150	
BDW84C	PNP	TO3	100	15	750-20k	1M	150	
BDX10	NPN	TO3	60	15	20-70	-	117	
BDX11	NPN	TO3	140	10	20-70	-	117	
BDX12	NPN	TO3	120	5	20-70	-	100	
BDX13	NPN	TO3	40	15	15-60	-	117	
BDX18	PNP	TO3	70	15	20-70	0.8M	117	
BDX20	PNP	TO3	140	10	20-70	4M	117	
BDX27	PNP	SOT9	40	5	40-250	50M	40	
BDX28	PNP	SOT9	60	5	40-250	50M	40	
BDX29	PNP	SOT9	80	5	40-250	50M	40	
BDX30	PNP	SOT9	100	1	40-250	50M	40	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BDX62	PNP	TO3	60	8	1kmin	7M	90	
BDX62A	PNP	TO3	80	8	1kmin	7M	90	
BDX62B	PNP	TO3	100	8	1kmin	7M	90	
BDX62C	PNP	TO3	120	8	1kmin	7M	90	
BDX63	NPN	TO3	80	8	1kmin	7M	90	
BDX63A	NPN	TO3	100	8	1kmin	7M	90	
BDX63B	NPN	TO3	120	8	1kmin	7M	90	
BDX63C	NPN	TO3	140	8	1kmin	7M	90	
BDX64	PNP	TO3	60	12	1kmin	7M	117	
BDX64A	PNP	TO3	80	12	1kmin	7M	117	
BDX64B	PNP	TO3	100	12	1kmin	7M	117	
BDX64C	PNP	TO3	120	12	1kmin	7M	117	
BDX65	NPN	TO3	60	12	1kmin	7M	117	
BDX65A	NPN	TO3	80	12	1kmin	7M	117	
BDX65B	NPN	TO3	100	12	1kmin	7M	117	
BDX65C	NPN	TO3	120	12	1kmin	7M	117	
BDX66	PNP	TO3	60	16	1kmin	7M	150	
BDX66A	PNP	TO3	80	16	1kmin	7M	150	
BDX66B	PNP	TO3	100	16	1kmin	7M	150	
BDX66C	PNP	TO3	120	16	1kmin	7M	150	
BDX67	NPN	TO3	60	16	1kmin	7M	150	
BDX67A	NPN	TO3	80	16	1kmin	7M	150	
BDX67B	NPN	TO3	100	16	1kmin	7M	150	
BDX67C	NPN	TO3	120	16	1kmin	7M	150	
BDX70	NPN	TO220	60	10	20-80	-	75	
BDX83	NPN	TO3	40	10	750min	-	125	
BDX83A	NPN	TO3	60	10	750min	-	125	
BDX83B	NPN	TO3	80	10	750min	-	125	
BDX83C	NPN	TO3	100	10	750min	-	125	
BDX84	PNP	TO3	40	10	750min	-	120	
BDX84A	PNP	TO3	60	10	750min	-	120	
BDX84B	PNP	TO3	80	10	750min	-	120	
BDX84C	PNP	TO3	100	10	750min	-	120	
BDX85	NPN	TO3	45	10	750-18k	-	100	
BDX85A	NPN	TO3	60	10	750-18k	-	100	
BDX85B	NPN	TO3	80	10	750-18k	-	100	
BDX85C	NPN	TO3	100	10	750-18k	-	100	
BDX86	PNP	TO3	45	10	750-18k	-	100	
BDX86A	PNP	TO3	60	10	750-18k	-	100	
BDX86B	PNP	TO3	80	10	750-18k	-	100	
BDX86C	PNP	TO3	100	10	750-18k	-	100	
BDX87	NPN	TO3	45	12	750-18k	-	117	
BDX87A	NPN	TO3	60	12	750-18k	-	117	
BDX87B	NPN	TO3	80	12	750-18k	-	117	
BDX87C	NPN	TO3	100	12	750-18k	-	117	
BDX88	PNP	TO3	45	12	750-18k	-	117	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BDX88A	PNP	TO3	60	12	750-18k	-	117	
BDX88B	PNP	TO3	80	12	750-18k	-	117	
BDX88C	PNP	TO3	100	12	750-18k	-	117	
BDX91	NPN	TO3	60	8	20min	4M	90	
BDX92	PNP	TO3	60	8	20min	4M	90	
BDX93	NPN	TO3	80	8	20min	4M	90	
BDX94	PNP	TO3	80	8	20min	4M	90	
BDX95	NPN	TO3	100	8	20min	4M	90	
BDX96	PNP	TO3	100	8	20min	4M	90	
BDY10	NPN	TO3	40	2	10-50	-	150	
BDY11	NPN	TO3	70	2	10-50	-	150	
BDY12	PNP	SOT9	40	5	40-100	1M	70m	
BDY13	NPN	SOT9	60	5	40-100	1M	70m	
BDY16	NPN	SOT9	64	2.5	50-300	100M	12	
BDY20	NPN	TO3	60	15	20-70	1M	15	
BDY23	NPN	TO3	60	6	15-180	10M	85	
BDY24	NPN	TO3	90	6	15-180	10M	85	
BDY25	NPN	TO3	140	6	15-180	10M	87.5	
BDY26	NPN	TO3	180	6	15-180	10M	87.5	
BDY27	NPN	TO3	100	6	15-180	10M	87.5	
BDY28	NPN	TO3	250	6	15-180	10M	87.5	
BDY29	NPN	TO3	75	30	15-60	.2M	220	
BDY37	NPN	TO3	140	30	15-60	.2M	150	
BDY38	NPN	TO3	40	6	30min	1M	115	
BDY39	NPN	TO3	60	15	25-100	1.1M	115	
BDY42	NPN	TO3	250	5	20min	12M	60	
BDY43	NPN	TO3	300	5	20min	12M	60	
BDY44	NPN	TO3	350	5	20min	12M	60	
BDY45	NPN	TO3	250	15	20min	13M	95	
BDY46	NPN	TO3	300	15	20min	13M	95	
BDY47	NPN	TO3	350	15	20min	13M	95	
BDY54	NPN	TO3	120	12	20-60	20M	60	
BDY55	NPN	TO3	60	15	20-70	10M	117	
BDY56	NPN	TO3	120	15	20-70	10M	117	
BDY57	NPN	TO3	80	25	20-60	7M	175	
BDY58	NPN	TO3	125	25	20-60	7M	175	
BDY58A	NPN	TO3	125	25	20-60	7M	175	
BDY60	NPN	TO3	60	5	40-300	100M	15	
BDY61	NPN	TO3	60	5	45min	100M	15	
BDY62	NPN	TO3	30	5	45min	100M	15	
BDY71	NPN	TO66	55	4	80-200	-	29	
BDY72	NPN	TO66	120	3	80-200	-	29	
BDY73	NPN	TO3	60	15	50-150	-	117	
BDY74	NPN	TO3	120	10	50-150	-	117	
BDY76	NPN	TO3	60	20	40-120	-	150	
BDY77	NPN	TO3	120	16	40-120	-	150	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BDY78	NPN	TO66	55	4	25-100	-	36	
BDY79	NPN	TO66	120	4	25-100	-	25	
BDY90	NPN	TO3	100	10	30-120	40M	70	
BDY90S	NPN	TO3	100	10	30-120	40M	70	
BDY91	NPN	TO3	80	10	30-120	40M	70	
BDY92	NPN	TO3	60	10	30-120	40M	70	
BDY93	NPN	TO3	350	3	15-60	8M	30	
BDY94	NPN	TO3	300	3	25-80	8M	30	
BDY95	NPN	TO3	250	3	25-80	8M	30	
BDY96	NPN	TO3	350	10	15-60	10M	40	
BDY97	NPN	TO3	300	10	25-80	10M	40	
BDY98	NPN	TO3	250	10	25-80	10M	40	
BF257	NPN	TO39	160	0.1	25min	90M	0.8	
BF258	NPN	TO39	250	0.1	25min	90M	0.8	
BF259	NPN	TO39	300	0.1	25min	90M	0.8	
BF337	NPN	TO39	200	0.1	20min	80M	3	
BF338	NPN	TO39	225	0.1	20min	80M	3	
BF355	NPN	TO39	225	0.1	20min	80M	0.8	
BFQ38S	PNP	TO39	250	1	25min	20M	0.6	
BFT29	NPN	TO18	80	1	50-250	100M	0.36	
BFT30	NPN	TO18	60	1	75-250	100M	0.36	
BFT31	NPN	TO18	50	1	100-300	100M	0.36	
BFT32A	NPN	TO39	60	5	50-300	100M	1	
BFT33A	NPN	TO39	80	5	50-250	100M	1	
BFT34A	NPN	TO39	100	5	50-200	100M	1	
BFT36A	PNP	TO39	80	5	50-250	100M	1	
BFT37A	PNP	TO39	100	5	50-200	100M	1	
BFT39	NPN	TO39	80	1	50-250	100M	0.8	
BFT40	NPN	TO39	60	1	75-250	100M	0.8	
BFT44	PNP	TO39	300	0.5	100typ	60M	5	
BFT48	NPN	TO39	250	0.1	25min	50M	5	
BFT49	NPN	TO39	300	0.1	25min	50M	5	
BFT53	NPN	TO18	35	1	10min	60M	0.36	
BFT54	NPN	TO18	30	1	30min	50M	0.36	
BFT57	NPN	TO18	160	0.2	25min	110M	0.36	
BFT58	NPN	TO18	200	0.2	25min	110M	0.36	
BFT59	NPN	TO18	300	0.2	25min	110M	0.36	
BFT60	PNP	TO39	35	1	50min	60M	0.8	
BFT61	PNP	TO39	30	1	40min	60M	0.8	
BFT62	PNP	TO39	20	1	40min	60M	0.8	
BFT69	PNP	TO18	80	1	50-250	100M	0.36	
BFT70	PNP	TO18	60	1	75-250	100M	0.36	
BFT71	PNP	TO18	50	1	100-300	100M	0.36	
BFT79	PNP	TO39	80	1	50-250	100M	0.8	
BFT80	PNP	TO39	60	1	75-250	100M	0.8	
BFT81	PNP	TO39	50	1	100-300	100M	0.8	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BFW16	NPN	TO39	25	0.15	25min	1.2G	1.5	
BFW43	PNP	TO18	150	50m	40min	60M	0.4	
BFW44	PNP	TO39	150	50m	40min	60M	0.7	
BFX11	PNP	TO77	45	0.5	90min	130M	0.5	
BFX17	NPN	TO39	40	1	35min	250M	0.8	
BFX29	PNP	TO39	60	0.6	50min	100M	0.6	
BFX30	PNP	TO39	65	0.6	50-200	-	0.6	
BFX34	NPN	TO39	60	5	40-150	70M	0.87	
BFX36	PNP	TO77	60	50m	100-300	40M	0.6	
BFX37	PNP	TO18	60	50m	100min	40M	0.36	
BFX37L	PNP	TO18L	60	50m	100min	40M	0.36	
BFX38	PNP	TO39	55	1	85min	100M	0.8	
BFX40	PNP	TO39	75	1	85min	100M	0.8	
BFX41	PNP	TO39	75	1	85min	100M	0.8	
BFX48	PNP	TO18	30	0.1	90min	400M	0.36	
BFX67	NPN	TO72	60	0.3	7kmin	-	0.5	
BFX79	N/P	TO77	60	0.6	60min	60M	0.6	
BFX80	N/P	TO77	60	0.2	160min	40M	0.4	
BFX81	N/P	TO77	20	0.2	25min	350M	0.5	
BFX84	NPN	TO39	60	1	20min	50M	0.8	
BFX85	NPN	TO39	60	1	50min	50M	0.8	
BFX86	NPN	TO39	35	1	50min	50M	0.8	
BFX87	PNP	TO39	50	0.6	40min	100M	0.6	
BFX88	PNP	TO39	40	0.6	40min	100M	0.6	
BFY50	NPN	TO39	35	1	30min	60M	0.8	
BFY50L	NPN	TO5	35	1	30min	60M	0.8	
BFY51	NPN	TO39	30	1	40min	60M	0.8	
BFY52	NPN	TO39	20	1	60min	60M	0.8	
BFY56	NPN	TO39	45	1	30-150	40M	0.8	
BFY64	PNP	TO39	40	0.5	80min	200M	0.7	
BFY75	NPN	TO18	45	-	65-300	250M	0.36	
BFY81	NPN	TO77	45	50m	150min	60M	0.5	
BFY82	NPN	TO77	45	0.1	50min	250M	0.5	
BFY83	NPN	TO77	100	0.1	50min	50M	0.6	
BFY84	NPN	TO77	12	0.2	20min	600M	0.38	
BFY90	NPN	TO72	15	25m	25-150	1G	0.2	
BLX40	PNP	TO39	80	2	30-120	20M	13	
BLX48R	PNP	TO39	100	5	30-250	20M	18	
BLY11	PNP	TO39	100	2	30-120	20M	13	
BLY48A	NPN	TO66	100	3	-	15M	40	
BLY49A	NPN	TO66	250	3	-	15M	40	
BLY50A	NPN	TO66	250	3	-	15M	40	
BSS44	PNP	TO39	60	5	40min	70M	5	
BSS71	NPN	TO18	200	0.5	40-250	50M	0.5	
BSS72	NPN	TO18	250	0.5	40-250	50M	0.5	
BSS73	NPN	TO18	300	0.5	40-250	50M	0.5	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BSS74	PNP	TO18	200	0.5	35-150	50M	0.5	
BSS74R	PNP	TO18	200	0.5	35-150	50M	0.5	
BSS75	PNP	TO18	250	0.5	35-150	50M	0.5	
BSS76	PNP	TO18	300	0.5	35-150	50M	0.5	
BSS77	NPN	TO18	200	0.5	40-250	50M	0.5	
BSS78	NPN	TO18	200	250	40-250	50M	0.5	
BSV15	PNP	TO39	40	1	40-250	30M	5	
BSV16	PNP	TO39	60	1	40-250	30M	5	
BSV17	PNP	TO39	80	1	-	50M	5	
BSV60	NPN	TO39	40	5	40-120	50M	6.2	
BSV64	NPN	TO39	60	5	40min	70M	5	
BSV91	NPN	TO18	15	-	40min	600M	0.36	
BSW66A	NPN	TO39	100	2	30min	130M	5	
BSW67	NPN	TO39	120	2	30min	130M	5	
BSW67A	NPN	TO39	120	2	30min	130M	5	
BSW68	NPN	TO39	150	2	30min	130M	5	
BSW68A	NPN	TO39	150	2	30min	130M	5	
BSX20	NPN	TO18	15	0.5	40-120	500M	0.36	
BSX21	NPN	TO18	80	50m	20min	36M	0.3	
BSX30	NPN	TO39	30	0.6	30-120	250M	0.8	
BSX32	NPN	TO39	40	1	60-150	300M	0.8	
BSX36	PNP	TO18	40	0.5	40min	100M	0.36	
BSX45	NPN	TO39	40	1	40-250	50M	0.8	
BSX46	NPN	TO39	60	1	100-250	50M	0.8	
BSX47	NPN	TO39	80	1	-	50M	5	
BSX59	NPN	TO39	45	1	25min	-	0.8	
BSX60	NPN	TO39	30	1	25min	-	0.8	
BSX61	NPN	TO39	45	1	25min	-	0.8	
BSX62	NPN	TO39	40	3	40-250	30M	5	
BSX63	NPN	TO39	60	3	63-160	30M	5	
BSX64	NPN	TO39	80	3	63-160	30M	5	
BSX95	NPN	TO39	30	0.5	40-120	100M	0.8	
BSX96	NPN	TO39	30	0.5	100-300	100M	0.8	
BSY95A	NPN	TO18	15	0.2	50-200	200M	0.3	
BU102	NPN	TO3	150	7	30min	-	50	
BU103A	NPN	TO66	120	-	50-200	100M	30	
BU104	NPN	TO3	120	7	Oct-50	-	85	
BU120	NPN	TO3	400	5	35-165	10M	50	
BU127	NPN	TO3	120	10	40min	60M	25	
BU128	NPN	TO3	200	10	40min	60M	62.5	
BU132	NPN	TO3	600	1	25-125	8M	15	
BU133	NPN	TO3	250	3	15-80	8M	30	
BU134	NPN	TO3	350	4	30-120	10M	85	
BU323	NPN	TO3	400	10	30min	-	125	
BU323A	NPN	TO3	475	10	30min	-	125	
BU326	NPN	TO3	375	6	3.5	20M	60	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BU500	NPN	TO3	1500	6	3min	-	75	
BU999	NPN	SOT93	140	25	25-100	-	106	
BUL46A	NPN	TO3	500	20	5min	-	200	
BUL46B	NPN	TO3	400	25	10min	20M	200	
BUL47A	NPN	TO3	300	40	25min	20M	200	
BUL47B	NPN	TO3	250	40	30min	20M	200	
BUL48A	NPN	TO3	500	15	10min	20M	200	
BUL48B	NPN	TO3	400	15	5min	20M	175	
BUL49A	NPN	TO3	300	20	10min	20M	150	
BUL49B	NPN	TO247	500	15	10min	20M	125	
BUL50A	NPN	TO247	400	15	5min	20M	125	
BUL50B	NPN	TO247	300	20	10min	20M	125	
BUL51A	NPN	TO247	250	30	20min	20M	125	
BUL51B	NPN	TO220	500	6	5min	20M	100	
BUL52A	NPN	TO220I	500	6	5min	20M	45	
BUL52AFI	NPN	TO220I	500	6	40-90	20M	100	
BUL52B	NPN	TO220	400	8	10	20M	100	
BUL52BFI	NPN	TO220I	400	8	9min	20M	45	
BUL52BL	-	-	-	-	-	-	-	
BUL53A	NPN	TO220	300	10	25min	20m	90	
BUL53B	NPN	TO220	250	12	5min	20M	90	
BUL54A	NPN	TO220	500	4	12in	20M	70	
BUL54B	NPN	TO220	400	5	15min	20M	70	
BUL54BFI	NPN	TO220	400	5	15min	20M	30	
BUL55A	NPN	TO220	300	7	20min	20M	55	
BUL55B	NPN	TO220	250	8	25min	20M	55	
BUL56A	NPN	TO220	160	16	25min	20M	85	
BUL56B	NPN	TO220	100	18	25min	20M	85	
BUL57A	NPN	TO220	70	22	10min	20M	80	
BUL58A	NPN	TO220	160	10	20min	20M	50	
BUL58B	NPN	TO220	100	12	20min	20M	50	
BUL59A	NPN	TO220	70	15	10min	20M	45	
BUL62A	NPN	TO251	500	6	12min	20M	25	
BUL62B	NPN	TO251	400	8	15min	20M	25	
BUL63B	NPN	TO251	300	12	25min	20M	25	
BUL64A	NPN	TO251	500	4	12min	20M	20	
BUL64B	NPN	TO251	400	5	15min	20M	20	
BUL65A	NPN	TO251	300	7	25min	20M	20	
BUL65B	NPN	TO251	250	8	25min	20M	20	
BUL66A	NPN	TO251	160	16	25min	20M	25	
BUL66B	NPN	TO251	120	8	25min	20M	25	
BUL68A	NPN	TO251	160	7	25min	20M	20	
BUL68B	NPN	TO251	100	12	25min	20M	20	
BUL70A	NPN	SOT223	500	4	9	20M	3	
BUL72A	NPN	SOT223	160	7	25min	20M	2	
BUL72B	NPN	SOT223	100	8	25min	20M	2	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BUL74A	NPN	TO220	500	11	5min	16	100	
BUL74B	NPN	TO220	400	15	10min	16	100	
BUL76A	NPN	TO220	160	60	15min	21M	85	
BUL76B	NPN	TO220	100	70	25-60	20M	85	
BUP43	NPN	SOT93	60	60	20min	-	150	
BUP44	NPN	SOT93	100	50	15min	-	150	
BUP45	NPN	SOT93	250	30	12min	-	150	
BUP46	NPN	TO3	60	60	20min	-	250	
BUP47	NPN	TO3	100	50	25min	-	250	
BUP48	NPN	TO3	60	100	10min	-	250	
BUP49	NPN	TO3	80	90	15min	-	300	
BUP50	NPN	TO3	100	100	10min	-	300	
BUP50A	NPN	TO3	120	100	10min	-	300	
BUP51	NPN	TO3	175	80	10min	-	300	
BUP52	NPN	TO3	200	70	8min	-	300	
BUP53	NPN	TO3	250	60	10min	-	300	
BUP54	NPN	TO3	275	50	8min	-	300	
BUP56	NPN	TO247	60	30	15	-	150	
BUP57	NPN	TO247	100	25	20	-	150	
BUP58	NPN	TO247	250	15	10	-	150	
BUP59	NPN	TO247	60	30	15	-	150	
BUR10	NPN	TO66	80	5	40-120	50M	37	
BUR11	NPN	TO63	200	20	15min	-	175	
BUR12	NPN	TO59	120	10	80-140	-	40	
BUR13	NPN	TO63	125	70	20-100	40M	250	
BUR20	NPN	TO3	125	50	10min	10M	250	
BUR21	NPN	TO3	200	40	10min	10M	250	
BUR22	NPN	TO3	250	40	10min	10M	250	
BUR23	NPN	TO3	325	30	-	-	250	
BUR24	NPN	TO3	400	30	-	-	250	
BUR50	NPN	TO3	125	70	15min	16	350	
BUR50S	NPN	TO3	125	70	15min	16	350	
BUR51	NPN	TO3	250	60	15min	16M	350	
BUR51S	NPN	TO3	250	60	15min	16M	350	
BUS11	NPN	TO3	400	5	15min	-	100	
BUS11A	NPN	TO3	450	5	15min	-	100	
BUS12	NPN	TO3	400	8	15min	-	125	
BUS12A	NPN	TO3	450	8	15min	-	125	
BUS13	NPN	TO3	400	8	15min	-	175	
BUS13A	NPN	TO3	400	8	15min	-	175	
BUS14	NPN	TO3	400	30	-	-	250	
BUS14A	NPN	TO3	450	30	-	-	250	
BUS50	NPN	TO3	125	70	20min	-	350	
BUS51	NPN	TO3	200	50	20min	-	350	
BUS52	NPN	TO3	250	40	20min	-	350	
BUT13	NPN	TO3	600	28	30min	-	175	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BUT13P	NPN	SOT93	600	28	30min	-	150	
BUT70	NPN	SOT93	125	40	-	-	200	
BUT70MC	NPN	TO3	-	-	-	-	-	
BUT72	NPN	SOT93	300	40	-	-	200	
BUT90	NPN	TO3	125	50	10min	-	250	
BUT91	NPN	TO3	200	50	20-120	8M	250	
BUT92	NPN	TO3	250	50	20-120	8M	250	
BUT92A	NPN	TO3	300	50	-	8M	250	
BUV10N	NPN	TO3	125	25	20-60	10M	175	
BUV11	NPN	TO3	200	20	20-60	45M	150	
BUV18	NPN	TO3	60	90	20min	8M	250	
BUV18X	NPN	TO3	60	90	20min	8M	250	
BUV19	NPN	TO3	80	50	20min	8M	250	
BUV20	NPN	TO3	125	50	20min	8M	250	
BUV21	NPN	TO3	200	40	20min	8M	250	
BUV21N	NPN	TO3	160	40	15-60	8M	250	
BUV22	NPN	TO3	250	40	20min	8M	250	
BUV23	NPN	TO3	325	30	15-60	8M	250	
BUV24	NPN	TO3	400	20	15-60	8M	250	
BUV25	NPN	TO3	500	15	15-60	8M	250	
BUV26	NPN	TO220	90	14	10min	-	65	
BUV27	NPN	TO220	120	12	10min	-	85	
BUV28	NPN	TO220	200	12	10min	-	85	
BUV39	NPN	TO3	90	25	-	-	120	
BUV40	NPN	TO3	125	20	10min	-	120	
BUV41	NPN	TO3	200	20	10min	-	120	
BUV42	NPN	TO3	250	12	-	-	120	
BUV42A	NPN	TO3	250	12	-	-	120	
BUV46	NPN	TO3	850	6	5min	-	85	
BUV47	NPN	SOT93	400	9	3.2min	-	120	
BUV47A	NPN	SOT93	400	9	3.2min	-	120	
BUV47AP	NPN	SOT93	450	9	3.2min	-	120	
BUV48	NPN	SOT93	400	15	5min	-	150	
BUV48A	NPN	SOT93	450	15	5min	-	150	
BUV50	NPN	TO3	125	25	10min	-	150	
BUV51	NPN	TO3	200	20	10min	-	150	
BUV52	NPN	TO3	250	20	-	-	150	
BUV52A	NPN	TO3	250	20	-	-	150	
BUV60	NPN	TO3	125	50	10min	-	250	
BUV61	NPN	TO3	200	50	10min	-	250	
BUV62	NPN	TO3	250	40	-	-	250	
BUV62A	NPN	TO3	300	40	-	-	250	
BUW22	PNP	TO3	350	6	12min	-	75	
BUW23	PNP	TO3	400	10	-	-	125	
BUW24	NPN	TO3	450	10	10-80	20M	100	
BUW25	NPN	TO3	600	10	15-40	20M	125	

!Type	PoI	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
BUW26	NPN	TO3	450	10	15-40	20M	125	
BUW34	NPN	TO3	500	10	8min	-	120	
CV12253L	NPN	TO5	60	0.6	50-200	-	0.6	
CV9507-O	PNP	TO39	65	0.6	50-200	100M	0.5	
CV9507L-O	PNP	TO5	65	0.6	50-200	100M	0.5	
CV9790-O	PNP	TO39	60	0.6	50-200	100M	0.5	
CV9790L-O	PNP	TO5	60	0.6	50-200	100M	0.5	
MJ14000	NPN	TO3	60	70	15	-	300	
MJ14001	PNP	TO3	60	70	100typ	-	300	
MJ14002	NPN	TO3	80	70	15	-	300	
MJ14003	PNP	TO3	80	70	100typ	-	300	
MJ15002	PNP	TO3	140	15	25-150	2M	200	
MJ15003	NPN	TO3	140	20	25-150	2M	250	
MJ15004	PNP	TO3	140	20	25-150	2M	250	
MJ15012	PNP	TO3	250	10	20-100	-	200	
MJ15025	PNP	TO3	250	16	15-60	4M	250	
MJ2501	PNP	TO3	80	10	1kmin	1M	150	
MJ2955	PNP	TO3	60	15	20-70	2.5M	115	
MJ3000	NPN	TO3	60	10	1kmin	1M	150	
MJ3238	PNP	TO66	150	8	2min	20M	75	
MJ4032	NPN	TO66	300	0.1	30-200	15M	15	
MJ4035	NPN	TO3	100	16	1kmin	-	150	
MJ4502	NPN	TO3	140	15	25-150	2M	200	
MJ490	PNP	TO3	40	4	30-200	4M	5	
MJ491	PNP	TO3	60	4	30-200	4M	5	
MJ8100	PNP	TO39	60	5	25-180	30M	10	
MJE2955	PNP	TO220	70	15	20-70	-	90	
MJE3055	NPN	TO220	70	15	20-70	-	90	
MJE340	NPN	TO126	300	0.5	30-240	-	20	
MJE350	PNP	TO126	300	0.5	30-240	-	20	
MJL21193	PNP	TO264	250	8	25-75	4	200	
MJL21194	NPN	TO264	250	8	25-75	4	200	
PO38	PNP	TO39	300	0.5	25-200	35M	0.6	
PO39	NPN	TO39	300	0.5	25-150	35M	0.6	
SM2159	NPN	TO3	200	20	10-30	10M	200	
SML12303	NPN	TO3	300	10	20min	10M	220	
SML2166	PNP	TO3	400	15	20-100	20M	175	
SML2167	NPN	TO3	400	15	200min	20M	125	
SML2168	NPN	TO66	150	10	20-100	100M	40	
SML2169	NPN	TO39	150	7	20-100	100M	10	
SML2170	NPN	TO39	200	3	20-100	70M	10	
SML2171	NPN	TO39	60	10	20-100	100M	10	
SML2181	NPN	TO92	8	5	50min	150M	1	
SML2182	NPN	TO92	120	5	400-2k	200M	0.36	
SML4005	NPN	TO3	250	40	15-80	10M	250	
SML4005S	NPN	TO3	250	40	15-80	10M	250	

!Type	Pol	Pkg	Vceo	Ic	Hfe	fT(Hz)	Pwr(W)	Comment
SML4007	NPN	TO3	125	70	15min	10M	350	
SML4007A	NPN	TO3	125	70	15min	10M	350	
SML4009	NPN	TO3	60	50	1000min	50M	250	
SML4014	NPN	TO3	60	100	1000min	40M	250	
SML4015	NPN	TO59	80	10	20-120	4M	40	
SML4016	PNP	TO59	80	10	20-120	4M	40	
SML5001	PNP	TO59	80	2	70-200	60M	35	
SML5502	NPN	TO39	700R	1	10-45	10M	6	
SML5503	NPN	TO39	800R	1	10-45	10M	6	
SMS932	NPN	TO3	450	20	700min	10M	150	
TIP47	NPN	TO220	250	1	30-150	10M	2	
TIP510	NPN	TO61	120	4	40-200	70M	4	
TIP536	NPN	TO3	300	7.5	20-100	10M	5	
TIP537	NPN	TO3	400	7.5	20-100	10M	5	
TIP538	NPN	TO3	200	15	20-100	-	5	
V405A	PNP	TO18	12	50m	25min	400M	0.3	
V405AL	PNP	TO18	12	50m	25min	400M	0.3	
V410A	PNP	TO39	35	0.3	40min	100M	0.7	
V741	PNP	TO18	30	10m	50min	60M	0.36	
V765	PNP	TO39	120	50m	40min	40M	0.7	
ZT1483A	NPN	TO8	40	3	20-100	-	25	
ZT1484A	NPN	TO8	55	3	20-100	-	25	
ZT1485A	NPN	TO8	40	3	35-100	-	25	
ZT1486A	NPN	TO8	55	3	35-100	-	25	
ZT83	NPN	TO18	45	0.5	55min	200M	0.3	

Created By amir pc

amirpostal@yahoo.com

