

**COLLECTOR CURRENT = 5 AMPS NPN TYPES**

Device No	Case	VCBO Volts	VCEO (sus) Volts	VEBO Volts	hFE		VCE	IC	VCE (sat)	VBE (sat)	@ IC	@ IB	$\theta_{IC}$ °C/W	Ft MHz
					Min	Max								
2N2150	TO-111	125	80	8	20	60	5	1	1.25	2	1	.1	3.33	30
2N2151	TO-111	125	80	8	40	120	5	1	1.25	2	1	.1	3.33	30
2N2657	TO-5	80	60	8	40	120	2	1	.5	1.5	1	.1	25	60
2N2658	TO-5	100	80	8	40	120	2	1	.5	1.5	1	.1	25	60
2N2849	TO-5	100	80	5	100	300	1	1	.4	1.2	1	.02	25	60
2N2849-1	TO-5	100	80	5	100	300	1	1	.4	1.2	1	.02	25	60
2N2849-2	TO-111	100	80	5	100	300	1	1	.4	1.2	1	.02	3.33	60
2N2849-3	TO-5 STUD	100	80	5	100	300	1	1	.4	1.2	1	.02	25	60
2N2850	TO-5	100	80	5	40	120	1	1	.25	1.2	1	.5	25	60
2N2850-1	TO-5	100	80	5	40	120	1	1	.25	1.2	1	.5	25	60
2N2850-2	TO-111	100	80	5	40	120	1	1	.25	1.2	1	.5	3.3	60
2N2850-3	TO-5 STUD	100	80	5	40	120	1	1	.25	1.2	1	.5	25	60
2N2851	TO-5	100	80	5	40	120	1	1	.4	1.2	1	.5	25	60
2N2851-1	TO-5	100	80	5	40	120	1	1	.4	1.2	1	.5	25	60
2N2851-2	TO-111	100	80	5	40	120	1	1	.4	1.2	1	.5	3.3	60
2N2851-3	TO-5 STUD	100	80	5	40	120	1	1	.4	1.2	1	.5	25	60
2N2852	TO-5	100	80	5	20	60	1	1	.4	1.2	1	.1	25	60
2N2852-1	TO-5	100	80	5	20	60	1	1	.4	1.2	1	.1	25	60
2N2852-2	TO-111	100	80	5	20	60	1	1	.4	1.2	1	.1	3.3	60
2N2852-3	TO-5 STUD	100	80	5	20	60	1	1	.4	1.2	1	.1	25	60
2N2853	TO-5	60	40	5	40	120	1	1	1.5	2	5	.5	25	60
2N2853-1	TO-5	60	40	5	40	120	1	1	1.5	2	5	.5	25	60
2N2853-2	TO-111	60	40	5	40	120	1	1	1.5	2	5	.5	3.3	60
2N2853-3	TO-5 STUD	60	40	5	40	120	1	1	1.5	2	5	.5	25	60
2N2854	TO-5	60	40	5	100	300	1	1	.4	1.2	1	.02	25	60
2N2854-1	TO-5	60	40	5	100	300	1	1	.4	1.2	1	.02	25	60
2N2854-2	TO-111	60	40	5	100	300	1	1	.4	1.2	1	.02	3.3	60
2N2854-3	TO-5 STUD	60	40	5	100	300	1	1	.4	1.2	1	.02	25	60
2N2855	TO-5	60	40	5	40	120	1	1	.4	1.2	1	.5	25	60
2N2855-1	TO-5	60	40	5	40	120	1	1	.4	1.2	1	.5	25	60
2N2855-2	TO-111	60	40	5	40	120	1	1	.4	1.2	1	.5	3.3	60
2N2855-3	TO-5 STUD	60	40	5	40	120	1	1	.4	1.2	1	.5	25	60
2N2856	TO-5	60	40	5	20	60	1	1	.4	1.2	1	.1	25	60
2N2856-1	TO-5	60	40	5	20	60	1	1	.4	1.2	1	.1	25	60
2N2856-2	TO-111	60	40	5	20	60	1	1	.4	1.2	1	.1	3.3	60
2N2856-3	TO-5 STUD	60	40	5	20	60	1	1	.4	1.2	1	.1	25	60
2N2877	TO-111	80	60	8	20	60	2	1	.25	1.2	1	.1	3.33	60
2N2878	TO-111	80	60	8	40	120	2	1	.25	1.2	1	.1	3.33	60
2N2879	TO-111	100	80	8	20	60	2	1	.25	1.2	1	.1	3.33	60
2N2880	TO-111	100	80	8	40	120	2	1	.25	1.2	1	.1	3.33	60
JAN 2N2880	TO-111	110	80	8	40	120	5	1	.25	1.2	1	.1	3.3	60
JTX 2N2880	TO-111	110	80	8	40	120	5	1	.25	1.2	1	.1	3.3	60
JTXV 2N2880	TO-111	110	80	8	40	120	5	1	.25	1.2	1	.1	3.3	60
2N2890	TO-5	100	80	5	30	90	2	1	.75	1.3	2	.2	25	60

## COLLECTOR CURRENT = 5 AMPS NPN TYPES—Continued

Device No	Case	VCBO Volts	VCEO (sus) Volts	VEBO Volts	hFE		VCE	IC	VCE (sat)	VBE (sat)	@ IC	@ IB	$\theta_{JC}$ °C/W	Ft MHz
					Min	Max								
2N2891	TO-5	100	80	5	50	150	2	1	.75	1.3	2	.2	25	60
2N2892	TO-111	100	80	5	30	90	2	1	.75	1.3	2	.2	3.3	60
2N2893	TO-111	100	80	5	50	150	2	1	.75	1.3	2	.2	3.3	60
2N2984	TO-5	185	120	8	20	60	5	1	1.25	2	2	.4	25	60
2N2985	TO-5	155	80	8	40	120	5	1	1.25	2	2	.4	25	60
2N2986	TO-5	185	120	8	40	120	5	1	1.25	2	2	.4	25	60
2N3016	TO-5	100	50	4	60	150	5	1	.75	1.5	5	.5	25	60
2N3017	TO-5	100	50	4	60	150	5	1	.75	1.5	5	.5	25	60
2N3018	STUD TO-61/I	100	50	4	60	150	5	1	.75	1.5	5	.5	1	60
2N3418	TO-5	85	60	8	20	60	2	1	.5	1.4	2	.2	25	60
JAN 2N3418	TO-5	85	60	8	20	60	2	1	.5	1.4	2	.2	25	60
JTX 2N3418	TO-5	85	60	8	20	60	2	1	.5	1.4	2	.2	25	60
JTXV 2N3418	TO-5	85	60	8	20	60	2	1	.5	1.4	2	.2	25	60
2N3419	TO-5	125	80	8	20	60	2	1	.5	1.4	2	.2	25	60
JAN 2N3419	TO-5	125	80	8	20	60	2	1	.5	1.4	2	.2	25	60
JTX 2N3419	TO-5	125	80	8	20	60	2	1	.5	1.4	2	.2	25	60
JTXV 2N3419	TO-5	125	80	8	20	60	2	1	.5	1.4	2	.2	25	60
2N3420	TO-5	85	60	8	40	120	2	1	.5	1.4	2	.2	25	60
JAN 2N3420	TO-5	85	60	8	40	120	2	1	.5	1.4	2	.2	25	60
JTX 2N3420	TO-5	85	60	8	40	120	2	1	.5	1.4	2	.2	25	60
JTXV 2N3420	TO-5	85	60	8	40	120	2	1	.5	1.4	2	.2	25	60
2N3421	TO-5	125	80	8	40	120	2	1	.5	1.4	2	.2	25	60
JAN 2N3421	TO-5	125	80	8	40	120	2	1	.5	1.4	2	.2	25	60
JTX 2N3421	TO-5	125	80	8	40	120	2	1	.5	1.4	2	.2	25	60
JTXV 2N3421	TO-5	125	80	8	40	120	2	1	.5	1.4	2	.2	25	60
2N3469	TO-5	35	25	8	100		2	1	.5	1.5	1	.1	25	60
2N3506	TO-5	60	40	5	40	200	2	1.5	1	1.4	1.5	.15	25	60
2N3507	TO-5	80	50	5	30	150	2	1.5	1	1.4	1.5	.15	25	60
2N3583	TO-66	250	175	6	40	200	10	.75	5	1.4	1	.125	5	10
2N3584	TO-66	375	250	6	8	80	2	1	.75	1.4	1	.125	5	10
2N3585	TO-66	500	300	6	8	80	2	1	.75	1.4	1	.125	5	10
2N3619	TO-5	75	40	4	40		5	1	.75	1.3	1	.1	25	60
2N3623	TO-5	75	40	4	40		5	1	.75	1.3	1	.1	25	60
2N3627	TO-5	100	50	4	40		5	1	.75	1.3	1	.1	25	60
2N3675	TO-5	90	55	7	12	60	1	1	.8	1.8	1	.1	25	60
2N3676	TO-5	90	90	7	12	60	1	1	.8	1.8	1	.1	25	60
2N3744	TO-111/I	60	40	7	20	60	5	1	.25	1.2	1	.1	3.33	60
2N3745	TO-111/I	80	60	8	20	60	5	1	.25	1.2	1	.1	3.33	60
2N3746	TO-111/I	100	80	8	20	60	5	1	.25	1.2	1	.1	3.33	60
2N3747	TO-111/I	60	40	7	40	120	5	1	.25	1.2	1	.1	3.33	60
2N3748	TO-111/I	80	60	8	40	120	5	1	.25	1.2	1	.1	3.33	60
2N3749	TO-111/I	100	80	8	40	120	5	1	.25	1.2	1	.1	3.33	60
JAN 2N3749	TO-111/I	110	80	8	40	120	5	1	.25	1.2	1	.1	3.33	60
JTX 2N3749	TO-111/I	110	80	8	40	120	5	1	.25	1.2	1	.1	3.33	60
JTXV 2N3749	TO-111/I	110	80	8	40	120	5	1	.25	1.2	1	.1	3.33	60
2N3750	TO-111/I	60	40	7	100	300	5	1	.25	1.2	1	.1	3.33	60

COLLECTOR CURRENT = 5 AMPS NPN TYPES—Continued

Device No	Case	VCBO Volts	VCEO (sus) Volts	VEBO Volts	hFE		VCE	IC	VCE (sat)	VBE (sat)	@ IC	@ IB	θJC °C/W	Ft MHz
					Min	Max								
2N3751	TO-111/1	80	60	8	100	300	5	1	.25	1.2	1	.1	3.33	60
2N3752	TO-111/1	100	80	8	100	300	5	1	.25	1.2	1	.1	3.33	60
2N3850	TO-111	100	80	5	50	150	1	1	.5	1.3	2	.2	3.33	60
2N3851	TO-111	100	80	5	30	90	1	1	.5	1.3	2	.2	3.33	60
2N3852	TO-111	60	40	5	50	150	1	1	.5	1.3	2	.2	3.33	60
2N3853	TO-111	60	40	5	30	90	1	1	.5	1.3	2	.2	3.33	60
2N3928	TO-5	80	40	4	40	150	5	1	.5	1.25	1	.1	25	60
2N3929	TO-111	80	40	4	40	150	5	1	.5	1.25	1	.1	3.33	60
2N3996	TO-111/1	100	80	8	40	120	2	1	.25	1.6	1	.1	3.33	60
JAN 2N3996	TO-111/1	100	80	8	40	120	2	1	.25	1.6	1	.1	3.33	60
JTX 2N3996	TO-111/1	100	80	8	40	120	2	1	.25	1.6	1	.1	3.33	60
JTXV 2N3996	TO-111/1	100	80	8	40	120	2	1	.25	1.6	1	.1	3.33	60
2N3997	TO-111/1	100	80	8	80	240	2	1	.25	1.6	1	.1	3.33	60
JAN 2N3997	TO-111/1	100	80	8	80	240	2	1	.25	1.6	1	.1	3.33	60
JTX 2N3997	TO-111/1	100	80	8	80	240	2	1	.25	1.6	1	.1	3.33	60
JTXV 2N3997	TO-111/1	100	80	8	80	240	2	1	.25	1.6	1	.1	3.33	60
2N3998	TO-111	100	80	8	40	120	2	1	.25	1.6	1	.1	3.33	60
JAN 2N3998	TO-111	100	80	8	40	120	2	1	.25	1.6	1	.1	3.33	60
JTX 2N3998	TO-111	100	80	8	40	120	2	1	.25	1.6	1	.1	3.33	60
JTXV 2N3998	TO-111	100	80	8	40	120	2	1	.25	1.6	1	.1	3.33	60
2N3999	TO-111	100	80	8	80	240	2	1	.25	1.6	1	.1	3.33	60
JAN 2N3999	TO-111	100	80	8	80	240	2	1	.25	1.6	1	.1	3.33	60
JTX 2N3999	TO-111	100	80	8	80	240	2	1	.25	1.6	1	.1	3.33	60
JTXV 2N3999	TO-111	100	80	8	80	240	2	1	.25	1.6	1	.1	3.33	60
2N4111	TO-3	100	60	8	40	120	5	2	1.5	2.2	5	.5	1.5	70
2N4112	TO-3	100	60	8	100	300	5	2	1.5	2.2	5	.5	1.5	80
2N4113	TO-3	120	80	8	40	120	5	2	1.5	2.2	5	.5	1.5	70
2N4114	TO-3	120	80	8	100	300	5	2	1.5	2.2	5	.5	1.5	80
2N4115	TO-111/1	120	80	8	40	120	5	2	.6	1.3	2	.2	3.33	70
2N4116	TO-111/1	120	80	8	100	300	5	2	.6	1.3	2	.2	3.33	70
2N4231	TO-66	40	40	5	25	100	2	1.5	.7	1.4	1.5	.15	5	60
2N4232	TO-66	60	60	5	25	100	2	1.5	.7	1.4	1.5	.15	5	60
2N4233	TO-66	80	80	5	25	100	2	1.5	.7	1.4	1.5	.15	5	60
2N4300	TO-5	100	80	8	30	120	2	1	.5	1.2	2	.2	25	60
2N4305	TO-5	120	80	6	50	150	2	1	1	1.5	5	.5	25	60
2N4307	TO-5	100	60	6	50	150	2	1	1	1.5	5	.5	25	60
2N4309	TO-5	120	80	6	50	150	2	1	1.4	1.8	5	.5	25	60
2N4311	TO-5	100	60	6	40	120	2	1	1.4	1.8	5	.5	25	60
2N4895	TO-5	120	60	6	40	120	2	2	1	1.6	5	.5	25	50
2N4896	TO-5	120	60	6	100	300	2	2	1	1.6	5	.5	25	80
2N4897	TO-5	150	80	6	40	120	2	2	1	1.6	5	.5	25	50
2N4915	TO-3	80	80	5	25	100	2	2.5	.75	1.5	2.5	.25	2	4
2N4998	TO-111/1	100	80	6	30	90	5	1	.85	1.5	2	.2	3.33	60
2N5000	TO-111/1	100	80	6	70	200	5	1	.85	1.5	2	.2	3.33	60

## COLLECTOR CURRENT = 5 AMPS NPN TYPES—Continued

Device No	Case	VCBO Volts	VCEO (sus) Volts	VEBO Volts	hFE		VCE	IC	VCE (sat)	VBE (sat)	@ IC	@ IB	θJC °C/W	Ft MHz
					Min	Max								
2N5002	TO-111/1	100	80	6	30	90	5	2.5	1.5	2.2	5	.5	1	60
2N5004	TO-111/1	100	80	6	70	200	5	2.5	1.5	2.2	5	.5	1	70
2N5074	TO-111/1	200	200	6	30	110	5	.5	2	2.2	3	.3	3.33	60
2N5075	TO-111/1	200	200	6	90	250	5	.5	2	2.2	3	.3	3.33	60
2N5076	TO-111/1	250	250	6	30	110	5	.5	2	2.2	3	.3	3.33	60
2N5077	TO-111/1	250	250	6	90	250	5	.5	2	2.2	3	.3	3.33	60
2N5148	TO-5	100	80	6	30	90	5	1	.85	1.5	2	.2	25	50
2N5150	TO-5	100	80	6	70	200	5	1	.85	1.5	2	.2	25	60
2N5284	TO-111/1	120	100	6	30	90	5	2.5	1.5	2.2	5	.5	3	60
2N5285	TO-111/1	120	100	6	70	200	5	2.5	1.5	2.2	5	.5	3	60
2N5336	TO-39	80	80	6	30	120	2	2	1.2	1.8	5	.5	20	60
2N5337	TO-39	80	80	6	60	240	2	2	1.2	1.8	5	.5	20	60
2N5338	TO-39	100	100	6	30	120	2	2	1.2	1.8	5	.5	20	60
2N5339	TO-39	100	100	6	60	240	2	2	1.2	1.8	5	.5	20	60
2N5427	TO-66	80	80	6	30	120	2	2	.7	1.2	2	.2	4	60
2N5428	TO-66	80	80	6	60	240	2	2	.7	1.2	2	.2	4	60
2N5429	TO-66	100	100	6	30	120	2	2	.7	1.2	2	.2	4	60
2N5430	TO-66	100	100	6	60	240	2	2	.7	1.2	2	.2	4	60
2N5541	TO-5	175	130	8	30	90	5	5	.6	1.5	5	.5	25	60
2N5598	TO-66	80	60	6	70	200	5	1	.85	1.5	2	.2	5	60
2N5600	TO-66	100	80	6	30	90	5	1	.85	1.5	2	.2	5	60
2N5602	TO-66	100	80	6	70	200	5	1	.85	1.5	2	.2	5	60
2N5604	TO-66	120	100	6	30	90	5	1	.85	1.5	2	.2	6	60
2N5606	TO-66	80	60	6	30	200	5	2.5	1.5	2.2	5	.5	5	60
2N5608	TO-66	100	80	6	70	200	5	2.5	1.5	2.2	5	.5	5	60
2N5610	TO-66	100	80	6	70	200	5	2.5	1.5	2.2	5	.5	5	60
2N5612	TO-66	120	100	6	30	90	5	2.5	1.5	2.2	5	.5	5	60
2N5614	TO-3	80	60	6	70	200	5	2.5	1.5	2.2	5	.5	3	50
2N5616	TO-3	100	80	6	30	90	5	2.5	1.5	2.2	5	.5	3	50
2N5618	TO-3	100	80	6	70	200	5	2.5	1.5	2.2	5	.5	3	50
2N5620	TO-3	120	100	6	30	90	5	2.5	1.5	2.2	5	.5	3	50
2N5664*	TO-66	250	200	6	40	120	5	1	.4	1.2	3	.3	3.33	60
2N5665*	TO-66	400	300	6	25	75	5	1	.4	1.2	3	.6	3.33	60
2N5666*	TO-5	250	200	6	40	120	5	1	.4	1.2	3	.3	20	60
2N5667*	TO-5	400	300	6	25	75	5	1	.4	1.2	3	.6	20	60
2N5729	TO-5	100	80	5	30	300	2	2	1.5	1.5	5	.5	20	60
2N5804	TO-3	300	225	6	10	100	4	5	2	2	5	.5	1.6	15
2N5805	TO-3	375	300	6	10	100	4	5	2	2	5	.5	1.6	15
2N5838	TO-3	275	250	6	8	40	2	3	1	2	3	.275	1.75	5
2N5839	TO-3	300	275	6	10	50	3	2	1.5	2	2	.2	1.75	5
2N5840	TO-3	375	350	6	10	50	3	2	1.5	2	2	.2	1.75	5
2N5970	TO-3	80	80	5	20	100	4	1.5	2	2.5	5	1.25	2	4
2N6233	TO-66	250	225	6	25	125	5	1	.5	1	1	.1	3.5	20
2N6234	TO-66	300	275	6	25	125	5	1	.5	1	1	.1	3.5	20
2N6235	TO-66	350	325	6	25	125	5	1	.5	1	1	.1	3.5	20

## COLLECTOR CURRENT = 5 AMPS PNP TYPES

Device No	Case	VCBO Volts	VCEO (sus) Volts	VEBO Volts	hFE		VCE	IC	VCE (sat)	VBE (sat)	@ IC	@ IB	θJC °C/W	Ft MHz
					Min	Max								
2N3021	TO-3	30	30	4	20	60	2	1	1.5	1.5	3	.3	2.3	60
2N3022	TO-3	45	45	4	20	60	2	1	1.5	1.5	3	.3	2.3	60
2N3023	TO-3	60	60	4	20	60	2	1	1.5	1.5	3	.3	2.3	60
2N3024	TO-3	30	30	4	50	180	2	1	1	1.5	3	.3	2.3	60
2N3025	TO-3	45	45	4	50	180	2	1	1	1.5	3	.3	2.3	60
2N3026	TO-3	60	60	4	50	180	2	1	1	1.5	3	.3	2.3	60
2N3163	TO-61	40	40	10	12	36	3	1	.75	1.8	1	.14	2	60
2N3164	TO-61	60	60	10	12	36	3	1	.75	1.8	1	.14	2	60
2N3165	TO-61	80	80	10	12	36	3	1	.75	1.8	1	.14	2	60
2N3166	TO-61	100	100	10	12	36	3	1	.75	1.8	1	.14	2	60

\* (JTX &amp; JTXV)

**COLLECTOR CURRENT = 5 AMPS PNP TYPES—Continued**

Device No	Case	VCBO Volts	VCE0 (sus) Volts	VEBO Volts	hFE		VCE	IC	VCE (sat)	VBE (sat)	@ IC	@ IB	θJC °C/W	Ft MHz
					Min	Max								
2N3171	TO-3	40	40	10	12	36	3	1	.75	1.8	1	.14	2.3	60
2N3172	TO-3	60	60	10	12	36	3	1	.75	1.8	1	.14	2.3	60
2N3173	TO-3	80	80	10	12	36	3	1	.75	1.8	1	.14	2.3	60
2N3174	TO-3	100	100	10	12	36	3	1	.75	1.8	1	.14	2.3	60
2N3175	TO-61	40	40	10	10	30	3	2	1	2	2	.3	2	60
2N3176	TO-61	60	60	10	10	30	3	2	1	2	2	.3	2	60
2N3177	TO-61	80	80	10	10	30	3	2	1	2	2	.3	2	60
2N3178	TO-61	100	100	10	10	30	3	2	1	2	2	.3	2	60
2N3183	TO-3	40	40	10	10	30	3	2	1	2	2	.3	2.3	60
2N3184	TO-3	60	60	10	10	30	3	2	1	2	2	.3	2.3	60
2N3185	TO-3	80	80	10	10	30	3	2	1	2	2	.3	2.3	60
2N3186	TO-3	100	100	10	10	30	3	2	1	2	2	.3	2.3	60
2N3187	TO-61	40	40	10	10	30	3	3	.9	1.9	3	.6	2	60
2N3188	TO-61	60	60	10	10	30	3	3	.9	1.9	3	.6	2	60
2N3189	TO-61	80	80	10	10	30	3	3	.9	1.9	3	.6	2	60
2N3190	TO-61	100	100	10	10	30	3	3	.9	1.9	3	.6	2	60
2N3195	TO-3	40	40	10	10	30	3	3	.9	1.9	3	.6	2.3	60
2N3196	TO-3	60	60	10	10	30	3	3	.9	1.9	3	.6	2.3	60
2N3197	TO-3	80	80	10	10	30	3	3	.9	1.9	3	.6	2.3	60
2N3198	TO-3	100	100	10	10	30	3	3	.9	1.9	3	.6	2.3	60
2N3202	TO-5	40	40	10	20	60	2	1	.3	1.3	1	.1	25	60
2N3203	TO-5	60	60	10	20	60	2	1	.3	1.3	1	.1	25	60
2N3204	TO-5	80	80	10	20	60	2	1	.3	1.3	1	.1	25	60
2N3719	TO-5	40	40	4	25	180	1	1	1.5	2.3	3	.3	25	60
2N3720	TO-5	60	60	4	25	180	1	1	1.5	2.3	3	.3	25	60
2N3867	TO-5	45	40	4	40	200	2	1.5	.7	1.4	1.5	.15	25	60
2N3868	TO-5	65	60	4	30	150	2	1.5	.7	1.4	1.5	.15	25	60
2N4999	TO-111/1	100	80	5.5	30	90	5	1	.85	1.5	2	.2	3.33	60
2N5001	TO-111/1	100	80	5.5	70	200	5	1	.85	1.5	2	.2	3.33	60
2N5003	TO-111/1	100	80	5.5	30	90	5	2.5	1.5	2.2	5	.5	3	50
2N5005	TO-111/1	100	80	5.5	70	200	5	2.5	1.5	2.2	5	.5	3	50
2N5147	TO-5	100	80	5.5	30	90	5	1	.85	1.5	2	.2	25	50
2N5149	TO-5	100	80	5.5	70	200	5	1	.85	1.5	2	.2	25	60
2N5286	TO-111/1	120	100	5.5	30	90	5	2.5	1.5	2.2	5	.5	3	50
2N5287	TO-111/1	120	100	5.5	70	200	5	2.5	1.5	2.2	5	.5	3	50
2N5333	TO-5	100	80	6	30	120	4	1	1	1.5	2	.2	25	60
2N5384	TO-111/1	100	80	6	20	80	4	2	.6	1.5	2	.2	3.33	60
2N5385	TO-111	100	80	6	20	80	4	2	.6	1.5	2	.2	3.3	60
2N5404	TO-5	80	80	6	20	60	5	2	.6	1.2	2	.2	25	60
2N5405	TO-5	100	100	6	20	60	5	2	.6	1.2	2	.2	25	60
2N5406	TO-5	80	80	6	40	120	5	2	.6	1.2	2	.2	25	60
2N5407	TO-5	100	100	6	40	120	5	2	.6	1.2	2	.2	25	60
2N5408	TO-111/1	80	80	6	20	60	5	2	.6	1.2	2	.2	3.33	60
2N5409	TO-111/1	100	100	6	20	60	5	2	.6	1.2	2	.2	3.33	60
2N5410	TO-111/1	80	80	6	40	120	5	2	.6	1.2	2	.2	3.33	60
2N5411	TO-111/1	100	100	6	40	120	5	2	.6	1.2	2	.2	3.33	60
2N5597	TO-66	80	60	5.5	70	200	5	1	.85	1.5	2	.2	6	60
2N5599	TO-66	100	80	5.5	30	90	5	1	.85	1.5	2	.2	6	60
2N5601	TO-66	100	80	5.5	70	200	5	1	.85	1.5	2	.2	6	60
2N5603	TO-66	120	100	5.5	30	90	5	1	.85	1.5	2	.2	6	60
2N5605	TO-66	80	60	5.5	70	200	5	2.5	.75	1.45	2.5	.25	6	60
2N5607	TO-66	100	80	5.5	30	90	5	2.5	.75	1.45	2.5	.25	6	50
2N5609	TO-66	100	80	5.5	70	200	5	2.5	.75	1.45	2.5	.25	6	50
2N5611	TO-66	120	100	5.5	30	90	5	2.5	.75	1.45	2.5	.25	6	50
2N5613	TO-3	80	60	5.5	70	200	5	2.5	1.5	2.2	5	.5	3	50
2N5615	TO-3	100	80	5.5	30	90	5	2.5	1.5	2.2	5	.5	3	50
2N5617	TO-3	100	80	5.5	70	200	5	2.5	1.5	2.2	5	.5	3	50
2N5619	TO-3	120	100	5.5	30	90	5	2.5	1.5	2.2	5	.5	3	50