

**CASE TO-66**  
**IC(MAX) = 1-5A**  
**V<sub>CEO(SUS)</sub> = 40-425V**

**PNP Power Transistors**

Type No.	NPN complement	V <sub>CEO</sub> (max) (V)	IC (max) (A)	h <sub>FE</sub> @IC/V <sub>CE</sub> (min-max @ AV)	V <sub>CE(SAT)</sub> @ IC/IB (V @ A/A)	V <sub>BE</sub> @ IC/V <sub>CE</sub> (V @ AV)	V <sub>BE (SAT)</sub> @ IC/IB (V @ A/A)	ICEV @ V <sub>CE</sub> (mA @ V)	P <sub>DC</sub> TC = 100°C (Watts)	I <sub>CB</sub> @V <sub>CE</sub> t = 1 sec (A @ V)	f <sub>r</sub> (MHz)	t <sub>on</sub> @ IC/IB (μs @ A/A)	t <sub>OFF</sub> @ IC/IB (μs @ A/A)
2N3740	2N3766	60	1	30-100 @ .25/1	.6 @ 1/125	1 @ .25/1		.1 @ 60	25	1.5 @ 17	4		
2N3740A		60	1	30-100 @ .25/1	.6 @ 1/125	1 @ .25/1		.0001 @ 60	25	1.5 @ 17	4		
2N3741	2N3767	80	1	30-100 @ .25/1	.6 @ 1/125	1 @ .25/1		.1 @ 80	25	1.5 @ 17	4		
2N3741A		80	1	30-100 @ .25/1	.6 @ 1/125	1 @ .25/1		.0001 @ 80	25	1.5 @ 17	4		
2N4898	2N4910	40	1	20-100 @ .5/1	.6 @ 1/1	1.3 @ 1/1		.1 @ 40	25	1.5 @ 17	3		
2N4899	2N4911	60	1	20-100 @ .5/1	.6 @ 1/1	1.3 @ 1/1		.1 @ 60	25	1.5 @ 17	3		
2N4900	2N4912	80	1	20-100 @ .5/1	.6 @ 1/1	1.3 @ 1/1		.1 @ 80	25	1.5 @ 17	3		
2N5344		250	1	25-100 @ .5/5	3 @ 1/1.2		1.5 @ 1/2	.1 @ 22	40	1 @ 22	10'	2 @ 5/05	7 @ 5/05
2N5345		300	1	25-100 @ .5/5	3 @ 1/2		1.5 @ 1/2	.1 @ 270	40	1 @ 22	10'	2 @ 5/05	7 @ 5/05
2N5954	2N6374	80	6	20-100 @ 2/4	1 @ 2/2	2 @ 2/4		.1 @ 85	40	1.75 @ 23	5	.7 @ 1.5/15	1.8 @ 1.5/15
2N5955	2N6373	80	6	20-100 @ 1.5/4	1 @ 2.5/2.5	2 @ 2.5/4		.1 @ 65	40	1.75 @ 23	5	.7 @ 1.5/15	1.8 @ 1.5/15
2N5956	2N6372	40	6	20-100 @ 3/4	1 @ 3/3	2 @ 3/4		.1 @ 45	40	1.75 @ 23	5	.7 @ 1.5/15	1.8 @ 1.5/15
2N6049	2N3054A	55	4	25-100 @ .5/4	5 @ 5/05	1 @ .5/4			75	3 @ 25	3	.7 @ 1.5/15	1.8 @ 1.5/15
2N6211	2N3583	250 <sup>h</sup>	2	10-100 @ 1/2.8	1.4 @ 1/125		1.4 @ 1/125	.1 @ 90	35	.875 @ 40	20	.6 @ 1/125	3.1 @ 1/125
2N6212	2N3584	325 <sup>h</sup>	2	10-100 @ 1/3.2	1.6 @ 1/125		1.4 @ 1/125	.5 @ 250	35	.875 @ 40	20	.6 @ 1/125	3.1 @ 1/125
2N6213	2N3585	375 <sup>h</sup>	2	10-100 @ 1/4	2 @ 1/125		1.4 @ 1/125	.2 @ 360	35	.875 @ 40	20	.6 @ 1/125	3.1 @ 1/125
2N6214		425 <sup>h</sup>	2	10-100 @ 1/5	2.5 @ 1/125		1.4 @ 1/125	.5 @ 410	35	.875 @ 40	20	.6 @ 1/125	3.1 @ 1/125
2N6312	2N4232A	40	5	25-100 @ 1.5/4	.7 @ 1.5/15	1.4 @ 1.5/4		.1 @ 40	75	3 @ 25	4	.7 @ 1.5/15	1.8 @ 1.5/15
2N6313	2N4233A	60	5	25-100 @ 1.5/4	.7 @ 1.5/15	1.4 @ 1.5/4		.1 @ 60	75	3 @ 25	4	.7 @ 1.5/15	1.8 @ 1.5/15
2N6314	2N4233A	80	5	25-100 @ 1.5/4	.7 @ 1.5/15	1.4 @ 1.5/4		.1 @ 80	75	3 @ 25	4	.7 @ 1.5/15	1.8 @ 1.5/15
2N6317	2N6315	60	7	20-100 @ 2.5/4	1 @ 4/4	1.5 @ 2.5/4		.25 @ 60	90	3 @ 30	4	.7 @ 2.5/25	1.8 @ 2.5/25
2N6318	2N6316	80	7	20-100 @ 2.5/4	1 @ 4/4	1.5 @ 2.5/4		.25 @ 80	90	3 @ 30	4	.7 @ 2.5/25	1.8 @ 2.5/25

NOTES: h) V<sub>CE</sub> (V) t) (typical)

**CASE TO-59/TO-111**  
**IC(MAX) = 3A-10A**  
**V<sub>CEO(SUS)</sub> = 40-100V**

**NPN Power Transistors**

Type No.	V <sub>CEO</sub> (max) (V)	IC (max) (A)	h <sub>FE</sub> @IC/V <sub>CE</sub> (min-max @ AV)	V <sub>CE(SAT)</sub> @ IC/IB (V @ A/A)	V <sub>BE</sub> @ IC/V <sub>CE</sub> (V @ AV)	V <sub>BE (SAT)</sub> @ IC/IB (V @ AV)	ICEV @ V <sub>CE</sub> (mA @ V)	P <sub>DC</sub> TC = 25°C (Watts)	I <sub>CB</sub> @V <sub>CE</sub> t = 1 sec (A @ V)	f <sub>r</sub> (MHz)	t <sub>on</sub> @ IC/IB (μs @ A/A)	t <sub>OFF</sub> @ IC/IB (μs @ A/A)
2N2877	50	5	20-60 @ 1/2	2 @ 5/5	1.2 @ 1/2		.01 @ 80	30	2.5 @ 12	30	.3 @ 1/1	1.5 @ 1/1
2N2878	50	5	40-120 @ 1/2	2 @ 5/5	1.2 @ 1/2		.01 @ 80	30	2.5 @ 12	50	.3 @ 1/1	1.5 @ 1/1
2N2879	70	5	20-60 @ 1/2	2 @ 5/5	1.2 @ 1/2		.01 @ 100	30	2.5 @ 12	30	.3 @ 1/1	1.5 @ 1/1
2N2880	70	5	40-120 @ 1/2	2 @ 5/5	1.2 @ 1/2		.01 @ 100	30	1.5 @ 12	50	.3 @ 1/1	1.5 @ 1/1
2N2892	80	5	30-90 @ 1/2	.75 @ 2/2		1.2 @ 1/1	.1 @ 100	17	3 @ 10	30	.3 @ 1/05	1.5 @ 1/05
2N2893	80	5	50-150 @ 1/2	.75 @ 2/2		1.2 @ 1/1	.1 @ 100	17	3 @ 10	30	.3 @ 1/05	1.5 @ 1/05
2N3850	80	5	50-150 @ 1/1	.5 @ 2/2		1.3 @ 2/2	.0001* @ 80	40		20	.2 @ 1/05	.9 @ 1/05
2N3851	80	5	30-90 @ 1/1	.5 @ 2/2		1.3 @ 2/2	.0001* @ 80	40		20	.2 @ 1/05	.9 @ 1/05
2N3852	40	5	50-150 @ 1/1	.5 @ 2/2		1.3 @ 2/2	.0001* @ 40	40		20	.2 @ 1/05	.9 @ 1/05
2N2853	40	5	30-90 @ 1/1	.5 @ 2/2		1.3 @ 2/2	.0001* @ 40	40		20	.2 @ 1/05	.9 @ 1/05
2N3998*	80	5	40-120 @ 1/2	2 @ 5/5		.6-1.2 @ 1/1	.005* @ 90	30	1.5 @ 20	40	.3 @ 1/1	1.5 @ 1/1
2N3999*	80	5	80-240 @ 1/2	2 @ 5/5		.6-1.2 @ 1/1	.005* @ 90	30	1.5 @ 20	40	.3 @ 1/1	2 @ 1/1
2N5477	80	7	30-120 @ 2/2	1.2 @ 7/7		1.2 @ 2/2	.01* @ 80	34	3 @ 20	30	.2 @ 2/2	2.2 @ 2/2
2N5478	80	7	60-240 @ 2/2	1.2 @ 7/7		1.2 @ 2/2	.01* @ 80	34		30	.2 @ 2/2	2.2 @ 2/2
2N5479	100	7	30-120 @ 2/2	1.2 @ 7/7		1.2 @ 2/2	.01* @ 100	34		30	.2 @ 2/2	2.2 @ 2/2
2N5480	100	7	60-240 @ 2/2	1.2 @ 7/7		1.2 @ 2/2	.01* @ 100	34		30	.2 @ 2/2	2.2 @ 2/2

NOTES: b) I<sub>CB</sub> @ V<sub>CB</sub> (mA @ V) g) I<sub>CES</sub> @ V<sub>CE</sub> (mA @ V) i) (typical)