

PNP Power Transistors

**CASE TO-5/TO-39**  
 **$I_{C(MAX)} = 0.05-5A$**   
 **$V_{CEO(SUS)} = 40-450V$**

Type No.	NPN complement	V <sub>CEO</sub> (sus) (V)	I <sub>C</sub> (max) (A)	hFE@I <sub>C</sub> /V <sub>CE</sub> (min-max @ A/V)	V <sub>CE(SAT)</sub> @ I <sub>C</sub> /I <sub>B</sub> (V @ A/A)	V <sub>BE</sub> @ I <sub>C</sub> /V <sub>CE</sub> (V @ A/V)	I <sub>CEV</sub> @ V <sub>CE</sub> (mA @ V)	P <sub>D</sub> @ TC = 100°C (Watts)	C <sub>ob</sub> (pF)	f <sub>r</sub> (MHz)	t <sub>on</sub> @ I <sub>C</sub> /I <sub>B</sub> (μs @ A/A)	t <sub>OFF</sub> @ I <sub>C</sub> /I <sub>B</sub> (μs @ A/A)
2N3743	2N3742	300	.05	25-250 @ .03/10	8 @ .03/.003	1.2 @ .03/.003	.0003* @ 200	5		10 <sup>6</sup>		
2N3867		40	3	>25 @ 2.5/3	1.3 @ 2.5/25	2.2 @ 2.5/25	.001 @ 40	6	120	60	.3 @ 1/1	1.2 @ 1/1
2N3868		60	3	>25 @ 2.5/3	1.3 @ 2.5/25	2.2 @ 2.5/25	.001 @ 60	6	120	60	.3 @ 1/1	1.2 @ 1/1
2N4930	2N4926	200	.05	20-200 @ .01/10	5 @ .01/.001	1 @ .01/10	.1* @ 200	5	20	10 <sup>6</sup>		
2N4931	2N4927	250	.05	20-200 @ .01/10	5 @ .01/.001	1 @ .01/10	.1* @ 250	5	20	10 <sup>6</sup>		
2N5091		300	1	20-200 @ .1/15	3 @ .025/.0025	1 @ .025/10	.1* @ 350	4	20	10 <sup>6</sup>		
2N5093	2N5092	350	1	20-200 @ .1/15	3 @ .025/.0025	1 @ .025/10	.1* @ 400	4	20	10 <sup>6</sup>		
2N5094	2N5095	400	1	20-200 @ .1/15	3 @ .025/.0025	1 @ .025/10	.1* @ 450	4	20	10 <sup>6</sup>		
2N5096	2N5097	450	1	20-200 @ .1/15	3 @ .025/.0025	1 @ .025/10	.1* @ 500	4	20	10 <sup>6</sup>		
2N5147	2N5148	80	2	30-90 @ 1/5	.85 @ 2/2	1.5 @ 2/5	1 @ 100	6	120	50	.3 @ 1/1	1.2 @ 1/1
2N5149	2N5150	80	5	70-200 @ 1/5	.85 @ 2/2	1.5 @ 2/5	1 @ 100	6	120	60	.3 @ 1/1	1.2 @ 1/1
2N5151	2N5152	80	5	30-90 @ 2.5/5	.75 @ 2.5/25	1.45 @ 2.5/5	1 @ 100	10	250	60	.3 @ 1/1	1.2 @ 1/1
2N5153	2N5154	80	5	70-200 @ 2.5/5	.75 @ 2.5/25	1.45 @ 2.5/5	1 @ 100	10	250	60	.3 @ 1/1	1.2 @ 1/1
2N5415	2N3440	200	1	30-150 @ .05/10	2.5 @ .05/.005	1.5 @ .05/10	.05 @ 200	10	15	15		
2N5416	2N3439	300	1	30-150 @ .05/10	2 @ .05/.005	1.5 @ .05/10	.05 @ 300	10	15	15		

NOTES: b) I<sub>CB</sub> @ V<sub>CB</sub> (mA @ V) c) V<sub>BE</sub> (SAT) @ I<sub>C</sub>/I<sub>B</sub> (V @ A/A) d) (typical)

NPN Power Transistors

**CASE TO-8**  
 **$I_{(MAX)} = 1-3A$**   
 **$V_{CEO(SUS)} = 40-55V$**

Type No.	V <sub>CEO</sub> (sus) (V)	I <sub>C</sub> (max) (A)	hFE@I <sub>C</sub> /V <sub>CE</sub> (min-max @ A/V)	V <sub>CE(SAT)</sub> @ I <sub>C</sub> /I <sub>B</sub> (V @ A/A)	V <sub>BE</sub> @ I <sub>C</sub> /V <sub>CE</sub> (V @ A/V)	I <sub>CEV</sub> @ V <sub>CE</sub> (mA @ V)	P <sub>D</sub> @ TC = 25°C (Watts)	I <sub>B</sub> /V <sub>CE</sub> t = 1 sec (A @ V)	f <sub>r</sub> (MHz)	t <sub>on</sub> @ I <sub>C</sub> /I <sub>B</sub> (μs @ A/A)	t <sub>OFF</sub> @ I <sub>C</sub> /I <sub>B</sub> (μs @ A/A)
2N1483	40	3	20-60 @ .75/4	2 @ .75/.075	3.5 @ .75/4	.015* @ 30	25	1' @ 25	1.25	.3 @ 1/1	6' @ 1/1
2N1484	55	3	20-60 @ .75/4	2 @ .75/.075	3.5 @ .75/4	.015* @ 30	25	1' @ 25	1.25	.3 @ 1/1	6' @ 1/1
2N1495	40	3	35-100 @ .75/4	.75 @ .75/4	2.5 @ .75/4	.015* @ 30	25	1' @ 25	1.25	.3 @ 1/1	6' @ 1/1
2N1486	55	3	35-100 @ .75/4	2.5 @ .75/4	2.5 @ .75/4	.015* @ 30	25	1' @ 25	1.25	.3 @ 1/1	6' @ 1/1
2N1701	40	2.5	20-80 @ 3/4	3 @ 3/4	3 @ 3/4	.75* @ 60	25	1' @ 25	0.35	.3 @ 1/1	6' @ 1/1

NOTES: b) I<sub>CB</sub> @ V<sub>CB</sub> (mA @ V) d) (typical)