



NPN TO-111 (isolated collector)(cont'd)  
2848352 DIODE TRANSISTOR CO INC

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D. T-33-11



# DIODE TRANSISTOR CO., INC.

(201) 686-0400 • Telex: 139-385 • Outside NY & NJ area call TOLL FREE 800-528-4581  
FAX No. 201-675-5883

Type#	PNP Complement	V <sub>CE(SUS)</sub> (Volts)	I <sub>C</sub> Max	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> @ T <sub>C</sub> =25°C (Watts)	I <sub>S</sub> /I <sub>B</sub> @V <sub>CE</sub> T=1sec (A@V)	f <sub>r</sub> (MHz)	t <sub>ON</sub> @I <sub>C</sub> /I <sub>B</sub> (s@A/A)	t <sub>OFF</sub> @I <sub>C</sub> /I <sub>B</sub> (s@A/A)
2N4115		80	5.0	40-120@2/5	1.5@5/5	1.3@2/2	2 <sup>1</sup> @120	37	3.5@10	70		
2N4116		80	5.0	100-300@2/5	1.5@5/5	1.3@2/2	2 <sup>1</sup> @120	37	3.5@10	50		
2N5002		80	5.0	30-90@2.5/5	1.5@5/5	1.45@2.5/.25	1 <sup>1</sup> @100	33	1.8@32	60		
2N5004		80	5.0	70-200@2.5/5	1.5@5/5	1.45@2.5/.25	1 <sup>1</sup> @100	33	1.8@32	70		
2N5083		60	10	40-120@2/2	1@10/2	1.3@5/5	1 <sup>1</sup> @120	20	2.7@13	50	.35@5/5	.65@5/5
2N5084		60	10	100-300@2/2	1@10/2	1.3@5/5	1 <sup>1</sup> @120	20	2.7@13	80	.35@5/5	.65@5/5
2N5085		80	10	40-120@2/2	1@10/2	1.3@5/5	1 <sup>1</sup> @150	20	2.7@13	50	.35@5/5	.65@5/5
2N5284		100	5.0	30-90@2.5/5	1.5@5/5	1.45@2.5/.25	1 <sup>1</sup> @120	33	1.8@32	60		
2N5285		100	5.0	70-200@2.5/5	1.5@5/5	1.45@2.5/.25	1 <sup>1</sup> @120	33	1.8@32	70		
2N5346		80	7.0	30-120@2/2	1.2@7/7	1.2@2/2	.01*@80	34	6@10	30	.2@2/2	2.2@2/2
2N5347		80	7.0	60-240@2/2	1.2@7/7	1.2@2/2	.01*@80	34	6@10	30	.2@2/2	2.2@2/2
2N5348		100	7.0	30-120@2/2	1.2@7/7	1.2@2/2	.01*@100	34	6@10	30	.2@2/2	2.2@2/2
2N5349		100	7.0	60-240@2/2	1.2@7/7	1.2@2/2	.01*@100	34	6@10	30	.2@2/2	2.2@2/2
2N5730		80	10	30-300@2/2	1.2@5/5	1.5@5/5	1 <sup>1</sup> @100	30	6@10	30	.2@2/2	3.5@2/2
2N5074		200	3.0	30-100@.5/5	2@3/3	2.2@3/3	.25@200	40	.78@90	40		
2N5075		200	3.0	90-250@.5/5	2@3/3	2.2@3/3	.25@250	40	.78@90	40		
2N5076		250	3.0	30-100@.5/5	2@3/3	2.2@3/3	.25@250	40	.78@90	40		
2N5077		250	3.0	90-250@.5/5	2@3/3	2.2@3/3	.25@250	40	.78@90	40		



# Datasheet Directory

NPN TO-61

I<sub>C</sub>(MAX)5.0 to 20A

V<sub>CE(SUS)</sub> = 40 to 300V

f<sub>r</sub> = 1.0 to 40 MHz

Type#	PNP Complement	V <sub>CE(SUS)</sub> (Volts)	I <sub>C</sub> Max	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> @ T <sub>C</sub> =25°C (Watts)	I <sub>S</sub> /I <sub>B</sub> @V <sub>CE</sub> T=1sec (A@V)	f <sub>r</sub> (MHz)	t <sub>ON</sub> @I <sub>C</sub> /I <sub>B</sub> (s@A/A)	t <sub>OFF</sub> @I <sub>C</sub> /I <sub>B</sub> (s@A/A)
2N1724		80	5.0	20-90@2/15	1@2/2	2@2/2	10 <sup>1</sup> @120	50	1.25@40	10		
2N1724A		120	5.0	30-90@2/15	.6@2/2	1.2@2/2	10 <sup>1</sup> @180	50	1.25@40	10		
2N1725		80	5.0	50-150@2 1/2 15	1@2/2	2@2/2	10 <sup>1</sup> @120	50	1.25@40	10		
2N2811		50	10	20-60@5/5	.5@5/5	1.2@5/5	.01@80	40		15		
2N2812		50	10	40-120@5/5	.5@5/5	1.2@5/5	.01@80	40		15		
2N2813		70	10	20-60@5/5	.5@5/5	1.2@5/5	.01@120	40		15		
2N2814		70	10	40-120@5/5	.5@5/5	1.2@5/5	.01@120	40		15		
2N3487		60	7.5	20-60@3/5	1.2@3/3	1.5@3/5	.1@80	67	7.5@15.6	10	.35@5/5	2.35@5/5
2N3488		80	7.5	20-60@3/5	1.2@3/3	1.5@3/5	.1@100	67	7.5@15.6	10	.35@5/5	2.35@5/5
2N3489		100	7.5	15-45@3/5	1.2@3/3	1.5@3/5	.1@120	67	3.5@5/5	5	2.35@5/5	
2N3490		60	7.5	40-120@5/5	1.5@5/5	1.4@5/5	.1@80	67	7.5@15.6	10	.35@5/5	2.35@5/5
2N3491		80	7.5	40-120@5/5	1.5@5/5	1.4@5/5	.1@100	67	7.5@15.6	10	.35@5/5	2.35@5/5
2N3492		100	7.5	30-90@5/5	1.5@5/5	1.4@5/5	.1@120	67	7.5@15.6	10	.35@5/5	2.35@5/5

14