

**NPN TO-111/TO-59**

DIODE TRANSISTOR CO INC

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**DIODE TRANSISTOR CO., INC.**

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**Ic(MAX)3.0 to 10A**

**VCE(SUS) = 40 to 100V**

**Fr = 1.0 to 50 MHz**

Type#	PNP Complement	VCE(SUS) (Volts)	Ic Max	hFE @Ic/VCE (Min-Max @A/V)	VCE(SAT) @Ic/Ib (V@A/A)	VBE @Ic/VCE (V@A/V)	ICEV @VCE (mA @ V)	Pd@ Tc=25°C (Watts)	Is/b @VCE T=1sec (A@V)	fr (MHz)	ton @Ic/Ib (s@A/A)	toff @Ic/Ib (s@A/A)
2N2892		80	5.0	30-90 @ 1/2	.75 @ 2/.2	1.2 <sup>3</sup> @ 1/.1	.1 <sup>1</sup> @ 100	17	3 @ 10	30	.3 @ 1/.05	1.5 @ 1/.05
2N2893		80	5.0	50-150 @ 1/2	.75 @ 2/.2	1.2 <sup>3</sup> @ 1/.1	.1 <sup>1</sup> @ 100	17	3 @ 10	30	.3 @ 1/.05	1.5 @ 1/.05
2N3859		80	5.0	50-150 @ 1/1	.5 @ 2/.2	1.3 <sup>3</sup> @ 2/.2	.0001 <sup>7</sup> @ 80	40		20	.2 @ 1/.05	.9 @ 1/.05
2N3851		80	5.0	30-90 @ 1/1	.5 @ 2/.2	1.3 <sup>3</sup> @ 2/.2	.0007 <sup>7</sup> @ 80	40		20	.2 @ 1/.05	.9 @ 1/.05
2N3852		40	5.0	50-150 @ 1/1	.5 @ 2/.2	1.3 <sup>3</sup> @ 2/.2	.0001 <sup>7</sup> @ 40	40		20	.2 @ 1/.05	.9 @ 1/.05
2N3853		40	5.0	30-90 @ 1/1	.5 @ 2/.2	1.3 <sup>3</sup> @ 2/.2	.0001 <sup>7</sup> @ 40	40		20	.2 @ 1/.05	.9 @ 1/.05
2N2877		50	5.0	20-60 @ 1/2	2 @ 5/.5	1.2 @ 1/2	.01 @ 80	30	2.5 @ 12	30		
2N2878		50	5.0	40-120 @ 1/2	2 @ 5/.5	1.2 @ 1/2	.01 @ 80	30	2.5 @ 12	50		
2N2879		70	5.0	20-60 @ 1/2	2 @ 5/.5	1.2 @ 1/2	.01 @ 100	30	2.5 @ 12	30		
2N2880		70	5.0	40-120 @ 1/2	2 @ 5/.5	1.2 @ 1/2	.01 @ 100	30	2.5 @ 12	50		
2N3998		80	5.0	40-120 @ 1/2	2 @ 5/.5	.6-1.2 <sup>3</sup> @ 1/.1	.005 <sup>7</sup> @ 90	30	1.5 @ 20	40	.3 @ 1/.1	1.5 @ 1/.1
2N2999		80	5.0	80-240 @ 1/2	2 @ 5/.5	.6-1.2 <sup>3</sup> @ 1/.1	.005 <sup>7</sup> @ 90	30	1.5 @ 20	40	.3 @ 1/.1	2 @ 1/.1
2N5477		80	7.0	30-120 @ 2/2	1.2 @ 7/.7	1.2 <sup>3</sup> @ 2/.2	.01 <sup>1</sup> @ 80	34	3 @ 20	30	.2 @ 2/.2	2.2 @ 2/.2
2N5478		80	7.0	6.0-240 @ 2/2	1.2 @ 7/.7	1.2 <sup>3</sup> @ 2/.2	.01 <sup>1</sup> @ 80	34	3 @ 20	30	.2 @ 2/.2	2.2 @ 2/.2
2N5479		100	7.0	30-120 @ 2/2	1.2 @ 7/.7	1.2 <sup>3</sup> @ 2/.2	.01 <sup>1</sup> @ 100	34	3 @ 20	30	.2 @ 2/.2	2.2 @ 2/.2
2N5480		100	7.0	60-240 @ 2/2	1.2 @ 7/.7	1.2 <sup>3</sup> @ 2/.2	.01 <sup>1</sup> @ 100	34	3 @ 20	30	.2 @ 2/.2	2.2 @ 2/.2



**NPN TO-111 (isolated collector)**

**Ic(MAX)3.0 to 10A**

**VCE(SUS) = 30 to 250V**

**Fr = 30 to 50 MHz**

Type#	PNP Complement	VCE(SUS) (Volts)	Ic Max	hFE @Ic/VCE (Min-Max @A/V)	VCE(SAT) @Ic/Ib (V@A/A)	VBE @Ic/VCE (V@A/V)	ICEV @VCE (mA @ V)	Pd@ Tc=25°C (Watts)	Is/b @VCE T=1sec (A@V)	fr (MHz)	ton @Ic/Ib (s@A/A)	toff @Ic/Ib (s@A/A)
2N4075		80	3.0	30-90 @ 1/2	1 @ 2/.2	1.3 <sup>3</sup> @ 1/.1	.1 <sup>1</sup> @ 100	17	3 @ 10	30	.3 @ 1/.05	1.5 @ 1/.05
2N4076		80	3.0	50-150 @ 1/2	1 @ 2/.2	1.3 <sup>3</sup> @ 1/.1	.1 <sup>1</sup> @ 100	17	3 @ 10	30	.3 @ 1/.05	1.5 @ 1/.05
2N4998		80	2.0	30-90 @ 1/5	.85 @ 2/.2	1.2 <sup>3</sup> @ 1/.1	1 <sup>1</sup> @ 100	20	1.1 @ 32	50		
2N5000		80	2.0	70-200 @ 1/5	.85 @ 2/.2	1.2 <sup>3</sup> @ 1/.1	1 <sup>1</sup> @ 100	20	1.1 @ 32	60		
2N3744		30	5.0	20-60 @ 1/5	2 @ 5/.5	1.2 <sup>3</sup> @ 1/.1	.01 @ 80	30	3 @ 10	30		
2N3745		50	5.0	20-60 @ 1/5	2 @ 5/.5	1.2 <sup>3</sup> @ 1/.1	.01 @ 80	30	3 @ 10	30		
2N3746		70	5.0	20-60 @ 1/5	2 @ 5/.5	1.2 <sup>3</sup> @ 1/.1	.01 @ 100	30	3 @ 10	30		
2N3747		30	5.0	40-120 @ 1/5	2 @ 5/.5	1.2 <sup>3</sup> @ 1/.1	.01 @ 60	30	3 @ 10	40		
2N3748		50	5.0	40-120 @ 1/5	2 @ 5/.5	1.2 <sup>3</sup> @ 1/.1	.01 @ 80	30	3 @ 10	40		
2N3749		70	5.0	40-120 @ 1/5	2 @ 5/.5	1.2 <sup>3</sup> @ 1/.1	.01 @ 100	30	3 @ 10	40		
2N3750		30	5.0	100-300 @ 1/5	2 @ 5/.5	1.2 <sup>3</sup> @ 1/.1	.01 @ 60	30	3 @ 10	50		
2N3751		50	5.0	100-300 @ 1/5	2 @ 5/.5	1.2 <sup>3</sup> @ 1/.1	.01 @ 80	30	3 @ 10	50		
2N3752		70	5.0	100-300 @ 1/5	2 @ 5/.5	1.2 <sup>3</sup> @ 1/.1	.01 @ 100	30	3 @ 10	50		
2N3996		80	5.0	40-100 @ 1/2	2 @ 5/.5	.6-1.2 <sup>3</sup> @ 1/.1	.005 <sup>7</sup> @ 90	30	1.5 @ 20	40	.3 @ 1/.1	1.5 @ 1/.1
2N3997		80	5.0	80-240 @ 1/2	2 @ 5/.5	.6-1.2 <sup>3</sup> @ 1/.1	.005 <sup>7</sup> @ 90	30	1.5 @ 20	40	.3 @ 1/.1	2 @ 1/.1