



NPN TO-39/TO-5

2848352 DIODE TRANSISTOR CO INC

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DIODE TRANSISTOR CO., INC.

(201) 688-0400 • Telex: 139-385 • Outside NY & NJ area call TOLL FREE 800-526-4581
FAX No. 201-575-5863

IC(MAX)0.05 to 10A

VCEO(SUS) = 40 to 800V

Fr = 1.0 to 50 MHz

Type#	PNP Complement	VCEO(sus) (Volts)	IC Max	hFE @IC/VCE (Min-Max @A/V)	VCE(SAT) @IC/IB (V@A/A)	VBE @IC/VCE (V@A/V)	ECV @VCE (mA @ V)	Pd@ Tc=25°C (Watts)	Cob (pf)	fr (MHz)	ton @IC/IB (s@A/A)	toff @IC/IB (s@A/A)
2N1479		40	1.5	20-60 @ .2/4	1.4 @ .2/.02	3 @ 2/4	.25 @ 60	5.0	150	1.5		
2N1480		55	1.5	20-60 @ .2/4	1.4 @ .2/.02	3 @ 2/4	.25 @ 100	5.0	150	1.5		
2N1481		40	1.5	35-100 @ .2/4	1.4 @ .2/.02	3 @ 2/4	.25 @ 60	5.0	150	1.5		
2N1482		55	1.5	35-100 @ .2/4	1.4 @ .2/.01	3 @ 2/4	.25 @ 100	5.0	150	1.5		
2N1700		40	1.0	20-80 @ .1/4	1 @ .1/.01	2 @ 1/4	.5 @ 60	5.0	150	1.2		
2N5784	2N5781	65	3.5	20-100 @ 1/2	2 @ 3.2/.8	1.5 @ 1/2	.01 @ 75	10		1.0	5 @ 1/1	15 @ 1/1
2N5785	2N5782	50	3.5	20-100 @ 1.2/2	2 @ 3.2/.8	1.5 @ 1.2/2	.01 @ 60	10		1.0	5 @ 1/1	15 @ 1/1
2N5786	2N5783	40	3.5	20-100 @ 1.6/2	2 @ 3.2/.8	1.5 @ 1.6/2	.01 @ 45	10		1.0	5 @ 1/1	15 @ 1/1
40347		40	1.5	25-100 @ .45/4	1 @ .45/.045	1.5 @ .45/4	.001 @ 30	8.75				
40348		65	1.5	30-100 @ .3/4	.75 @ 3/.075	1.3 @ .3/4	.001 @ 60	8.75				
40349		140	1.5	25-100 @ .15/4	.5 @ 15/.015	1.1 @ .15/4	.001 @ 90	8.75				
2N4271		40	1.5	20-140 @ 1/10	.8 @ .2/.02	1.2 @ .2/10	.02 @ 175	10	25	20		
2N4272		140	2.5	20-140 @ 1/10	.6 @ .5/.05	1.1 @ 1/10	.1 @ 175	10	75	10		
2N4863		120	2.0	50-150 @ 5/5	.2 @ .5/.05	1.2 @ .5/5	.01 @ 140	7		50		
2N3418		60	3.0	20-60 @ 1/2	.25 @ 1/1	1.2 @ 1/2	.0005 @ 80	7.0	150	40	.3 @ 1/1	1.2 @ 1/1
2N3419		80	3.0	20-60 @ 1/2	.25 @ 1/1	1.2 @ 1/2	.0005 @ 120	7.0	150	40	.3 @ 1/1	1.2 @ 1/1
2N3420		60	3.0	40-120 @ 1/2	.25 @ 1/2	1.2 @ 1/2	.0005 @ 80	7.0	150	40	.3 @ 1/1	1.2 @ 1/1
2N3421		80	3.0	40-120 @ 1/2	.25 @ 1/1	1.2 @ 1/2	.0005 @ 120	7.0	150	40	.3 @ 1/1	1.2 @ 1/1
2N5148	2N5147	80	2.0	30-90 @ 1/5	.85 @ 2/2	1.5 @ 2/5	1 @ 100	7.0	70	50*	.3 @ 1/1	1.2 @ 1/1
2N5150	2N5149	80	2.0	70-200 @ 1/5	.85 @ 2/2	1.5 @ 2/5	1 @ 100	7.0	70	50*		
2N5334		60	3.0	30-150 @ 1/2	.7 @ 2/2	1.5 @ 2/2	.001 @ 60	6.0	75	40		
2N5335		80	3.0	30-150 @ 1/2	.7 @ 2/2	1.5 @ 2/2	.001 @ 80	6.0	75	40		
2N4150		70	5.0	40-120 @ 5/5	.6 @ 5/5	1.5 @ 5/5	.01 @ 100	8.75		15	.2 @ 5/5	2.2 @ 5/5
2N4877		60	4.0	20-100 @ 4/2	1 @ 4/4	1.8 @ 4/4	.1 @ 70	10		30	.1 @ 4/4	2 @ 4/4
2N5152		80	2.0	30-90 @ 2.5/5	.75 @ 2.5/.25	1.45 @ 2.5/5	1 @ 100	11.7	250	40*		
2N5154	2N5153	80	2.0	70-200 @ 2.5/5	.75 @ 2.5/.25	1.45 @ 2.5/5	1 @ 100	11.7	250	40*		
2N5237		120	5.0	40-120 @ 5/5	.6 @ 5/5	1.5 @ 5/5	.01 @ 150	8.75		25	.5 @ 5/5	2 @ 5/5
2N5238		170	5.0	40-120 @ 5/5	.6 @ 5/5	1.5 @ 5/5	.01 @ 200	8.75		25	.5 @ 5/5	2 @ 5/5
2N5336		80	5.0	30-120 @ 2/2	1.2 @ 5/5	1.2 @ 2/2	.01 @ 75	6.0	250	30		
2N5337		80	5.0	60-240 @ 2/2	1.2 @ 5/5	1.2 @ 2/2	.01 @ 75	6.0	250	30		
2N5338		100	5.0	30-120 @ 2/2	1.2 @ 5/5	1.2 @ 2/2	.01 @ 90	6.0	250	30		
2N5339		100	5.0	60-240 @ 2/2	1.2 @ 5/5	1.2 @ 2/2	.01 @ 90	6.0	250	30		
2N5541		130	5.0	30-90 @ 5/5	.6 @ 5/5	1.5 @ 5/5	.01 @ 175	8.75		20	.5 @ 5/5	2 @ 5/5
2N5729		80	5.0	30-300 @ 2/2	1.5 @ 5/5	1.5 @ 5/5	1 @ 100	11.7	150	30	.2 @ 2/2	3.5 @ 2/2
2N3439	2N5416	350	1.0	40-160 @ .02/10	.5 @ .05/.004	1.3 @ .05/.004	.5 @ 450	10	10	15		
2N3440	2N5415	250	1.0	40-160 @ .02/10	.5 @ .05/.004	1.3 @ .05/.004	.5 @ 300	10	10	15		
40321		300(VCE)	1.0	25-200 @ .02/10	—	2 @ .05/10	.005 @ 150	5.0				
40327		300(VCE)	1.0	40-250 @ .02/10	—	2 @ .05/10	.005 @ 150	5.0				
40346		175(VCE)	1.0	>25 @ .01/10	.5 @ .01/.001	1 @ .01/10	.01 @ 200	10		10		
40412		250(VCE)	1.0	>40 @ .03/20	—	—	1 @ 100	10	10	10		

DEVICE TYPE	VCEO Max (V)	hFE Min/Max	IC @ (A)	fT Min (MHz)	PT Max (W)	Case Style
DTL 3401	40	40/120	2	0.75	2	40 TO-111 †
DTL 3402	60	40/120	2	0.75	2	40 TO-111 †
DTL 3403	80	40/120	2	0.75	2	40 TO-111 †
DTL 3404	100	40/120	2	0.75	2	40 TO-111 †
DTL 3405	40	20/60	2	0.75	2	40 TO-111 †
DTL 3406	60	20/60	2	0.75	2	40 TO-111 †
DTL 3407	80	20/60	2	0.75	2	40 TO-111 †
DTL 3408	100	20/60	2	0.75	2	40 TO-111 †
DTL 3409	120	20/60	2	0.75	2	40 TO-111 †
DTL 3421	40	40/120	2	0.75	2	9 TO-5
DTL 3422	60	40/120	2	0.75	2	40 TO-5
DTL 3423	80	40/120	2	0.75	2	40 TO-5
DTL 3424	100	40/120	2	0.75	2	40 TO-5
DTL 3425	40	20/60	2	0.75	2	40 TO-5
DTL 3426	60	20/60	2	0.75	2	40 TO-5
DTL 3427	80	20/60	2	0.75	2	40 TO-5
DTL 3428	100	20/60	2	0.75	2	40 TO-5
DTL 3429	120	20/60	2	0.75	2	40 TO-5
DTL 4451	40	20/60	1	0.5	2	20 TO-5
DTL 4452	80	20/60	1	0.5	2	20 TO-5

5 AMP NPN

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Ic(MAX) 0.05 to 10A

VCE(sus) = 40 to 800V

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)	ECEV @VCE (mA @ V)	Pd@ Tc = 25°C (Watts)	fr (MHz)	ton @Ic/Ib (s@A/A)	toff @Ic/Ib (s@A/A)
2N3742	2N3743	300	.05	20-200 @ .03/10	1 @ .01/.001	1.2 @ .03/.003	.0002 @ 200	5.0	6.0	15 ^μ	
2N4926	2N4930	.05	.05	20-200 @ .03/10	1 @ .01/.001	1.5 @ .05/.003	.1 @ 200	5.0	6.0	15 ^μ	
2N4927	2N4931	250	.05	20-200 @ .03/10	1 @ .01/.001	1.5 @ .05/.003	.1 @ 250	5.0	6.0	15 ^μ	
2N5010		500(VCEr)	.5	30-180 @ .025/10	1.4 @ .025/.005	1 @ .025/.005	.006 @ 400	5.0	25	15 ^μ	
2N5011		600(VCEr)	.5	30-180 @ .025/10	1.5 @ .025/.005	1 @ .025/.005	.006 @ 500	4.0	25	15 ^μ	
2N5012		700(VCEr)	.5	30-180 @ .025/10	1.6 @ .025/.005	1 @ .025/.005	.006 @ 580	4.0	25	15 ^μ	
2N5013		800(VCEr)	.5	30-180 @ .02/10	1.6 @ .02/.005	1 @ .02/.005	.012 @ 650	4.0	25	15 ^μ	
2N5058		300	.15	35-150 @ .03/25	1 @ .03/.003	.85 @ .03/.003	.1 @ 300	5.0	10	15 ^μ	
2N5059		250	.15	30-150 @ .03/25	1 @ .03/.003	.85 @ .03/.003	.1 @ 250	5.0	10	15 ^μ	
2N5092	2N5093	350	1.0	15-250 @ .1/10	5 @ .025/.0025	1 @ .025/5	.1 @ 400	4.0	15	15 ^μ	
2N5095	2N5094	400	1.0	15-250 @ .1/10	5 @ .025/.0025	1 @ .025/5	.1 @ 600	4.0	15	15 ^μ	
2N5097	2N5096	450	1.0	15-250 @ .1/10	5 @ .025/.0025	1 @ .025/5	.1 @ 600	4.0	15	15 ^μ	
2N5098		500	1.0	15-250 @ .1/10	5 @ .025/.0025	1 @ .025/5	.1 @ 700	4.0	15	15 ^μ	
2N5099		550	1.0	15-250 @ .1/10	5 @ .025/.0025	1 @ .025/5	.1 @ 800	4.0	15	15 ^μ	

NPN TO-114

Ic(MAX) 40 to 100A

VCE(sus) = 40 to 160V

Fr = 0.1 to 20 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)	ECEV @VCE (mA @ V)	Pd@ Tc = 25°C (Watts)	Is/b @VCE (A@V)	fr (MHz)	ton @Ic/Ib (s@A/A)	toff @Ic/Ib (s@A/A)	Product and Application Information
2N3149		80	70	□ 10 @ 50/3	1.5 @ 50/10	2.5 @ 50/10	2 @ 80	200		0.1	10 @ 50/10	20 @ 50/10	5251 Family Double Epitaxial Process. Ultra-sonically Bonded Leads. Case 600. High Current, High Speed Power Switch and Amplifier Military Usage.
2N3150		100	70	□ 10 @ 50/3	1.5 @ 50/10	2.5 @ 50/10	2 @ 100	200		0.1	10 @ 50/10	20 @ 50/10	
2N3151		150	70	□ 10 @ 50/3	1.5 @ 50/10	2.5 @ 50/10	2 @ 150	200		0.1	10 @ 50/10	20 @ 50/10	
2N4950		60	70	□ 10 @ 50/3	1.5 @ 50/10	2.5 @ 50/10	2 @ 60	200		0.1	10 @ 50/10	20 @ 50/10	
2N5489		100	40	15-60 @ 40/6	1.5 @ 40/8	2.5 @ 40/6	2 @ 125	200		0.5	10 @ 50/10	20 @ 50/10	
2N4865		80	90	10-40 @ 70/5	2.5 @ 70/7	2.5 @ 70/7	5 @ 100	200	10 @ 20	10	2 @ 70/7	2 @ 70/7	
2N4866		120	90	10-40 @ 70/5	2.5 @ 70/7	2.5 @ 70/7	5 @ 140	200	10 @ 20	10	2 @ 70/7	2 @ 70/7	
2N5250		100	90	10-40 @ 70/5	2.5 @ 70/7	2.5 @ 70/7	5 @ 125	200	10 @ 20	10	2 @ 70/7	2 @ 70/7	
2N5251		150	90	10-40 @ 70/5	2.5 @ 70/7	2.5 @ 70/7	5 @ 180	200	10 @ 20	10	2 @ 70/7	2 @ 70/7	
2N5587		120	80	10-30 @ 80/2	2 @ 80/8	2.5 @ 80/8	2 @ 160	200	10 @ 20	0.5	2 @ 70/7	2 @ 70/7	
2N5588		160	80	10-30 @ 80/2	2 @ 80/8	2.5 @ 80/8	2 @ 160	200	10 @ 20	0.5	2 @ 70/7	2 @ 70/7	
2N5927		120	100	10-40 @ 70/2	75 @ 70/7	1.5 @ 70/2	2 @ 150	200		1.0	2.5 @ 50/10	5.5 @ 50/10	