



NPN TO-39/T0-5

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. 201-575-5863I_C(MAX) 0.05 to 10AV_{CEO}(SUS) = 40 to 800VF_r = 1.0 to 50 MHz

Type#	PNP Complement	V _{CEO} (SUS) (Volts)	I _C Max	h _{FE} @I _C /V _{CE} (Min-Max @A/V)	V _{CE} (SAT) @I _C /I _B (V@A/A)	V _{BE} @I _C /V _{CE} (V@A/V)	E _{CEV} @V _{CE} (mA @ V)	P _D @ T _C = 25°C (Watts)	C _{ob} (pF)	f _r (MHz)	t _{ON} @I _C /I _B (s@A/A)	t _{OFF} @I _C /I _B (s@A/A)
2N1479	2N5781	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		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		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		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/.03	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	2N5147	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		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		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			
2N4150	2N5151	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		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(V _{CE})	1.0		25-200 @ .02/10	—	2 @ .05/10	.005 @ 150	5.0				
40327	300(V _{CE})	1.0		40-250 @ .02/10	—	2 @ .05/10	.005 @ 150	5.0				
40346	175(V _{CE})	1.0		>25 @ .01/10	.5 @ .01/.001	1 @ .01/10	.01 @ 200	10		10		
40412	250(V _{CE})	1.0		>40 @ .03/20	—	—	1 @ 100	10	10	10		

5 AMP
NPN

DEVICE TYPE	V _{CEO} Max (V)	h _{FE} Min/Max	@	I _C (A)		f _T Min (MHz)	P _T Max (W)	Case Style
DTL 3401	40	40/120	2	0.75	2	40	52	TO-111 †
DTL 3402	60	40/120	2	0.75	2	40	52	TO-111 †
DTL 3403	80	40/120	2	0.75	2	40	52	TO-111 †
DTL 3404	100	40/120	2	0.75	2	40	52	TO-111 †
DTL 3405	40	20/60	2	0.75	2	40	52	TO-111 †
DTL 3406	60	20/60	2	0.75	2	40	52	TO-111 †
DTL 3407	80	20/60	2	0.75	2	40	52	TO-111 †
DTL 3408	100	20/60	2	0.75	2	40	53	TO-111 †
DTL 3409	120	20/60	2	0.75	2	40	53	TO-111 †
DTL 3421	40	40/120	2	0.75	2	40	9	TO-5
DTL 3422	60	40/120	2	0.75	2	40	9	TO-5
DTL 3423	80	40/120	2	0.75	2	40	9	TO-5
DTL 3424	100	40/120	2	0.75	2	40	9	TO-5
DTL 3425	40	20/60	2	0.75	2	40	9	TO-5
DTL 3426	60	20/60	2	0.75	2	40	9	TO-5
DTL 3427	80	20/60	2	0.75	2	40	9	TO-5
DTL 3428	100	20/60	2	0.75	2	40	9	TO-5
DTL 3429	120	20/60	2	0.75	2	40	9	TO-5
DTL 4451	40	20/60	1	0.5	2	20	7	TO-5
DTL 4452	80	20/60	1	0.5	2	20	7	TO-5

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DIODE TRANSISTOR CO., INC.

(201) 888-0400 • Telex: 139-385 • Outside NY & NJ area call TOLL FREE 800-528-4581
FAX No. 201-575-5883 $I_C(\text{MAX}) 0.05 \text{ to } 10 \text{ A}$ $V_{CE0}(\text{SUS}) = 40 \text{ to } 800 \text{ V}$ $f_r = 1.0 \text{ to } 50 \text{ MHz}$

Type #	PNP Complement	$V_{CE0}(\text{SUS})$ (Volts)	I_C Max	β_{FE} @ I_C/V_{CE} (Min-Max @ A/V)	$V_{CE}(\text{SAT})$ @ I_C/I_B (V @ A/A)	V_{BE} @ I_C/V_{CE} (V @ A/V)	E_{CEV} @ V_{CE} (mA @ V)	P_D @ $T_C = 25^\circ\text{C}$ (Watts)	f_r (MHz)	t_{ON} @ I_C/I_B (s @ A/A)	t_{OFF} @ I_C/I_B (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 ^a	
2N4926	2N4930	.05	.05	20-200 @ .03/10	1 @ .01/.001	1.5 @ .05/.003	.1 ^a @ 200	5.0	6.0	15 ^a	
2N4927	2N4931	250	.05	20-200 @ .03/10	1 @ .01/.001	1.5 @ .05/.003	.1 ^a @ 250	5.0	6.0	15 ^a	
2N5010		500(V _{CE})	.5	30-180 @ .025/10	1.4 @ .025/.005	1 ^a @ .025/.005	.006 ^a @ 400	5.0	25	15 ^a	
2N5011		600(V _{CE})	.5	30-180 @ .025/10	1.5 @ .025/.005	1 ^a @ .025/.005	.006 ^a @ 500	4.0	25	15 ^a	
2N5012		700(V _{CE})	.5	30-180 @ .025/10	1.6 @ .025/.005	1 ^a @ .025/.005	.006 ^a @ 580	4.0	25	15 ^a	
2N5013		800(V _{CE})	.5	30-180 @ .02/10	1.6 @ .02/.005	1 ^a @ .02/.005	.012 ^a @ 650	4.0	25	15 ^a	
2N5058		300	.15	35-150 @ .03/25	1 @ .03/.003	.85 ^a @ .03/.003	.1 ^a @ 300	5.0	10	15 ^a	
2N5059		250	.15	30-150 @ .03/25	1 @ .03/.003	.85 ^a @ .03/.003	.1 ^a @ 250	5.0	10	15 ^a	
2N5092	2N5093	350	1.0	15-250 @ .1/10	5 @ .025/.0025	1 @ .025/5	.1 ^a @ 400	4.0	15	15 ^a	
2N5095	2N5094	400	1.0	15-250 @ .1/10	5 @ .025/.0025	1 @ .025/5	.1 ^a @ 500	4.0	15	15 ^a	
2N5097	2N5096	450	1.0	15-250 @ .1/10	5 @ .025/.0025	1 @ .025/5	.1 ^a @ 600	4.0	15	15 ^a	
2N5098		500	1.0	15-250 @ .1/10	5 @ .025/.0025	1 @ .025/5	.1 ^a @ 700	4.0	15	15 ^a	
2N5099		550	1.0	15-250 @ .1/10	5 @ .025/.0025	1 @ .025/5	.1 ^a @ 800	4.0	15	15 ^a	

NPN TO-114

 $I_C(\text{MAX}) 40 \text{ to } 100 \text{ A}$ $V_{CE0}(\text{SUS}) = 40 \text{ to } 160 \text{ V}$ $f_r = 0.1 \text{ to } 20 \text{ MHz}$

Type #	PNP Complement	$V_{CE0}(\text{SUS})$ (Volts)	I_C Max	β_{FE} @ I_C/V_{CE} (Min-Max @ A/V)	$V_{CE}(\text{SAT})$ @ I_C/I_B (V @ A/A)	V_{BE} @ I_C/V_{CE} (V @ A/V)	E_{CEV} @ V_{CE} (mA @ V)	P_D @ $T_C = 25^\circ\text{C}$ (Watts)	I_S/I_B @ V_{CE} (A @ V)	f_r (MHz)	t_{ON} @ I_C/I_B (s @ A/A)	t_{OFF} @ I_C/I_B (s @ A/A)	Product and Application Information
2N3149		80	70	□ 10 @ 50/3	1.5 @ 50/10	2.5 ^a @ 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 ^a @ 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 ^a @ 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 ^a @ 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 ^a @ 40/6	2 ^a @ 125	200		0.5			
2N4865		80	90	10-40 @ 70/5	2.5 @ 70/7	2.5 ^a @ 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 ^a @ 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 ^a @ 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 ^a @ 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 ^a @ 80/8	2 ^a @ 160	200	10 @ 20	0.5			
2N5588		160	80	10-30 @ 80/2	2 @ 80/8	2.5 ^a @ 80/8	2 ^a @ 160	200		0.5			
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	