

NPN TO-39/TO-5

Case 801

$I_{(MAX)} = 0.05 \text{ to } 10 \text{ A}$
 $V_{CEO(SUS)} = 40\text{-}800 \text{ V}$
 $f_T = 1 \text{ to } 50 \text{ MHz}$

Type No.	PNP Complement	V _{CEO} (SUS) (V)	I _C (MAX) (A)	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)	V _{BE} (SAT) @ I _C /I _B (V @ A/A)	I _{CEV} @ V _{CE} (mA @ V)	P _D @ T _C = 25 °C (Watts)	C _{ob} (pF)	f _T (MHz)	t _{on} @ I _C /I _B (μs @ A/A)	t _{off} @ I _C /I _B (μs @ A/A)
2N1479		40	1.5	20-60 @ 2/4	1.4 @ 2/ 02	3 @ 2/4		.25 @ 60	5	150	1.5	1 [†] @ 1/1	15 [†] @ 1/1
2N1480		55	1.5	20-60 @ 2/4	1.4 @ 2/ 02	3 @ 2/4		.25 @ 100	5	150	1.5	1 [†] @ 1/1	15 [†] @ 1/1
2N1481		40	1.5	35-100 @ 2/4	1.4 @ 2/ 01	3 @ 2/4		.25 @ 60	5	150	1.5	1 [†] @ 1/1	15 [†] @ 1/1
2N1482		55	1.5	35-100 @ 2/4	1.4 @ 2/ 01	3 @ 2/4		.25 @ 100	5	150	1.5	1 [†] @ 1/1	15 [†] @ 1/1
2N1700		40	1.0	20-80 @ 1/4	1 @ 1/ 01	2 @ 1/4		.5 ^b @ 60	5	150 [†]	1.2	1 [†] @ 1/1	15 [†] @ 1/1
2N3418		60	3.0	20-60 @ 1/2	.25 @ 1/ 1	1.2 @ 1/2		.0005 @ 80	7	150	10	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	150	40	3 @ 1/1	1.2 @ 1/1
2N3420		60	3.0	40-120 @ 1/2	.25 @ 1/ 1	1.2 @ 1/2		.0005 @ 80	7	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	150	40	3 @ 1/1	1.2 @ 1/1
2N3439	2N5416	350	1.0	40-60 @ 02/10	.5 @ 05/ 004		1.3 @ 05/ 004	.5 @ 450	10	10	15		
2N3440	2N5415	250	1.0	40-60 @ 02/10	.5 @ 05/ 004		1.3 @ 05/ 004	.5 @ 300	10	10	15		
2N3742	2N3743	300	.05	20-200 @ 03/10	1 @ 01/ 001		1.2 @ 03/ 003	.0002 @ 200	5	6	15 [†]		
2N4150		70	5.0	40-120 @ 5/5	6 @ 5/ 5		1.5 @ 5/ 5	.01 @ 100	8.75	150 [†]	15	2 @ 5/ 5	2.2 @ 5/ 5
2N4271		140	1.0	20-140 @ 2/10	8 @ 2/ 02	1 @ 2/10		.02 ^g @ 175	10	25	20		
2N4272		140	2.5	20-140 @ 1/10	6 @ 5/ 05	1.1 @ 1/10		.1 ^g @ 175	10	75	10		
2N4863		120	2.0	50-150 @ 5/5	2 @ 5/ 05		1.2 @ 5/ 5	.01 @ 140	7	25 [†]	50		
2N4877		60	4.0	20-100 @ 4/2	1 @ 4/ 4		1.8 @ 4/ 4	.1 @ 170	10	150 [†]	30	.1 @ 4/ 4	2 @ 4/ 4
2N4926	2N4930	200	.05	20-200 @ 03/10	1 @ 01/ 001		1.5 @ 05/ 003	.1 ^b @ 200	5	6	15 [†]		
2N4927	2N4931	250	.05	20-200 @ 03/10	1 @ 01/ 001		1.5 @ 05/ 003	.1 ^b @ 250	5	6	15 [†]		
2N5010		500 ^h	.5	30-180 @ 025/10	1.4 @ 025/ 005		1 @ 025/ 005	.006 ^b @ 400	4	25	15 [†]		
2N5011		600 ^h	.5	30-180 @ 025/10	1.5 @ 025/ 005		1 @ 025/ 005	.006 ^b @ 500	4	25	15 [†]		
2N5012		700 ^h	.5	30-180 @ 025/10	1.6 @ 025/ 005		1 @ 025/ 005	.006 ^b @ 580	4	25	15 [†]		
2N5013		800 ^h	.5	30-180 @ 02/10	1.6 @ 02/ 005		1 @ 02/ 005	.012 ^g @ 650	4	25	15 [†]		
2N5058		300	.15	35-150 @ 03/ 25	1 @ 03/ 003		.85 @ 03/ 003	.1 ^b @ 300	5	10	15 [†]		
2N5059		250	.15	30-150 @ 03/25	1 @ 03/ 003		.85 @ 03/ 003	.1 ^b @ 250	5	10	15 [†]		
2N5092	2N5093	350	1.0	15-250 @ 1/10	.5 @ 025/ 0025	1 @ 025/ 5		.1 ^b @ 400	4	15	15 [†]		
2N5095	2N5094	400	1.0	15-250 @ 1/10	.5 @ 025/ 0025	1 @ 025/ 5		.1 ^b @ 500	4	15	15 [†]		
2N5097	2N5096	450	1.0	15-250 @ 1/10	.5 @ 025/ 0025	1 @ 025/ 5		.1 ^b @ 600	4	15	15 [†]		
2N5098		500	1.0	15-250 @ 1/10	.5 @ 025/ 0025	1 @ 025/ 5		.1 ^b @ 700	4	15	15 [†]		
2N5099		550	1.0	15-250 @ 1/10	.5 @ 025/ 0025	1 @ 025/ 5		.1 ^b @ 800	4	15	15 [†]		
2N5148	2N5147	80	2.0	30-90 @ 1/5	.85 @ 2/ 2	1.5 @ 2/5		1 @ 100	7	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	70	50 [†]	3 [†] @ 1/1	1.2 [†] @ 1/1
2N5152	2N5151	80	2.0	30-90 @ 2.5/5	.75 @ 2.5/ 25	1.45 @ 2.5/5		1 @ 100	11.7	250	40 [†]	3 [†] @ 5/5	1.5 [†] @ 5/5
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 [†]	3 [†] @ 5/5	1.5 [†] @ 5/5
2N5237		120	5.0	40-120 @ 5/5	6 @ 5/ 5		1.5 @ 5/ 5	.01 @ 150	8.75	150 [†]	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	150 [†]	25	5 @ 5/5	2 @ 5/5
2N5334		60	3.0	30-150 @ 1/2	.7 @ 2/ 2		1.5 @ 2/ 2	.001 @ 60	6	75	40	3 [†] @ 1/1	1.2 [†] @ 1/1
2N5335		80	3.0	30-150 @ 1/2	.7 @ 2/ 2		1.5 @ 2/ 2	.001 @ 80	6	75	50 [†]	3 [†] @ 1/1	1.2 [†] @ 1/1
2N5336		80	5.0	30-120 @ 2/2	1.2 @ 5/ 5		1.2 @ 2/ 2	.01 @ 75	6	250	30	3 [†] @ 5/5	1.5 [†] @ 5/5
2N5337		80	5.0	60-240 @ 2/2	1.2 @ 5/ 5		1.2 @ 2/ 2	.01 @ 75	6	250	30	3 [†] @ 5/5	1.5 [†] @ 5/5
2N5338		100	5.0	30-120 @ 2/2	1.2 @ 5/ 5		1.2 @ 2/ 2	.01 @ 90	6	250	30	3 [†] @ 5/5	1.5 [†] @ 5/5
2N5339		100	5.0	60-240 @ 2/2	1.2 @ 5/ 5		1.2 @ 2/ 2	.01 @ 90	6	250	30	3 [†] @ 5/5	1.5 [†] @ 5/5
2N5541		130	5.0	30-90 @ 5/5	6 @ 5/ 5		1.5 @ 5/ 5	.01 @ 175	8.75	150 [†]	20	5 @ 5/5	2 @ 5/5
2N5729		80	5.0	30-300 @ 2/2	1.5 @ 5/ 5		1.5 @ 5/ 5	.1 ^g @ 100	11.7	150	30	2 @ 2/2	3.5 @ 2/2
2N5784		65	3.5	20-100 @ 1/2	2 @ 3.2/ 8	1.5 @ 1/2		.01 @ 75	10	150 [†]	1	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	150 [†]	1	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	150 [†]	1	5 @ 1/1	15 @ 1/1

NOTES: **b**) I_{CB0} @ V_{CB} (mA @ V) **g**) I_{CS} @ V_{CE} (mA @ V) **h**) V_{CE} (V) **i**) (typical)



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