

NPN TO-39/TO-5

$$I_{(MAX)} = 0.05 \text{ to } 10 \text{ A}$$

$$V_{CE(SUS)} = 40\text{-}800 \text{ V}$$

$$f_T = 1 \text{ to } 50 \text{ MHz}$$

Case 801*T-33-01*

Type No.	PNP Complement	V _{CE0} (SUS) (V)	I _C (MAX) (A)	I _{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 _{CEY} @ 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	5 [†] @ 1/1	15 [†] @ 1/1
2N1480		55	1.5	20-60@ 2/4	1.4@ 2/ 01	3@ 2/4		25@ 100	5	150	1.5	5 [†] @ 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	5 [†] @ 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	5 [†] @ 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	5 [†] @ 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 ^b @ 175	10	25	20		
2N4272		140	2.5	20-140@ 1/10	6@ 5/ 05	1.1@ 1/10		.1 ^b @ 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 ^b @ 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 ^b @ 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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