

NPN TO-66**Case 809**

$$I_{C(MAX)} = 1.7A$$

$$V_{CEO(SUS)} = 35-400V$$

$$f_T = .75-50 \text{ MHz}$$

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 _{CEV} @ V _{CE} (mA @ V)	P _D @ T _C = 25 °C (Watts)	I _s /b @ V _{CE} (A @ V)	f _T (MHz)	t _{ON} @ I _C /I _B (μs @ A/A)	t _{OFF} @ I _C /I _B (μs @ A/A)
2N3054A	2N6049	55	4	25-100 @ 5/4	1 @ 5/ 05	1.7 @ 5/4		1 @ 90	75	3 @ 25	3	7 ¹ @ 1.5/ 15	1.8 ¹ @ 1.5/ 15
2N3583	2N6211	250 ^h	1	40-200 @ 5/10	5 @ 1/ 125	1.4 @ 1/10		1 @ 225	35	35 @ 100	10		
2N3584	2N6212	300 ^h	5	25-100 @ 1/10	75 @ 1/ 125		1.4 @ 1/ 1	1 @ 300	35	35 @ 100	10	3 @ 1/1	7 @ 1/1
2N3585	2N6213	400 ^h	5	25-100 @ 1/10	75 @ 1/ 125		1.4 @ 1/ 1	1 @ 400	35	35 @ 100	10	3 @ 1/1	7 @ 1/1
2N3738		225	25	40-200 @ 1/10	2.5 @ 25/ 025	1 @ 1/10		5 @ 250	20	2 @ 100	10		
2N3739		300	25	40-200 @ 1/10	2.5 @ 25/ 025	1 @ 1/10		5 @ 300	20	2 @ 100	10		
2N3766	2N3740	60	1	40-160 @ 5/5	1 @ 5/ 05	1.5 @ 1/10		1 @ 80	20	4 @ 50	10		
2N3767	2N3741	80	1	40-160 @ 5/5	12.5 @ 05	1.5 @ 1/10		1 @ 100	20	4 @ 50	10		
2N3878		50	4	40-200 @ 5/2	2 @ 4/ 4	2.5 @ 4/2		25 @ 120	35	75 @ 40	40	3 ¹ @ 4/ 4	1.2 ¹ @ 4/ 4
2N3879		75	7	12-100 @ 4/2	1.2 @ 4/ 4		2 @ 4/ 4	25 @ 120	35	5 @ 40	40	5 @ 4/ 4	1.2 @ 4/ 4
2N4231		40	3	25-100 @ 1.5/2	7 @ 1.5/ 15	1.4 @ 1.5/2		1 @ 40	35	1.75 @ 20	4	7 ¹ @ 1.5/ 15	1.8 ¹ @ 1.5/ 15
2N4231A	2N6312	40	3	25-100 @ 1.5/2	7 @ 1.5/ 15	1.4 @ 1.5/2		1 @ 40	75	3 @ 25	4	7 ¹ @ 1.5/ 15	1.8 ¹ @ 1.5/ 15
2N4232		60	3	25-100 @ 1.5/2	7 @ 1.5/ 15	1.4 @ 1.5/2		1 @ 60	35	1.75 @ 20	4	7 ¹ @ 1.5/ 15	1.8 ¹ @ 1.5/ 15
2N4232A	2N6213	60	3	25-100 @ 1.5/2	7 @ 1.5/ 15	1.4 @ 1.5/2		1 @ 60	75	3 @ 25	4	7 ¹ @ 1.5/ 15	1.8 ¹ @ 1.5/ 15
2N4233		80	3	25-100 @ 1.5/2	7 @ 1.5/ 15	1.4 @ 1.5/2		1 @ 80	35	1.75 @ 20	4	7 ¹ @ 1.5/ 15	1.8 ¹ @ 1.5/ 15
2N4233A	2N6314	80	3	25-100 @ 1.5/2	7 @ 1.5/ 15	1.4 @ 1.5/2		1 @ 80	75	3 @ 25	4	7 ¹ @ 1.5/ 15	1.8 ¹ @ 1.5/ 15
2N4240		400 ^h	5	30-150 @ .75/10	1 @ 75/ 075		1.8 @ 75/ 075	2 @ 400	35	35 @ 100	15	5 @ 75/ 075	9 @ 75/ 075
2N4273		140	2	20-140 @ 1/10	.6 @ 5/ 05	1.1 @ 1/10		1 @ 175	25	2 ¹ @ 20	10	3 ¹ @ 75/ 1	1.5 ¹ @ 75/ 1
2N4296		250	1	50-150 @ 05/10	9 @ 05/ 005	9 @ 1/10		1 ^b @ 350	20	05 @ 200	20	7 @ 1/ 01	10 @ 1/ 01
2N4297		250	1	75-300 @ 05/10	9 @ 05/ 005	9 @ 1/10		1 ^b @ 350	20	05 @ 200	20	7 @ 1/ 01	10 @ 1/ 01
2N4298		350	1	25-75 @ 05/10	9 @ 05/ 005	9 @ 1/10		1 ^b @ 500	20	05 @ 200	20	7 @ 1/ 01	10 @ 1/ 01
2N4299		350	1	50-150 @ 05/10	9 @ 05/ 005	9 @ 1/10		1 ^b @ 500	20	05 @ 200	20	7 @ 1/ 01	10 @ 1/ 01
2N4864		120	2	50-150 @ 5/2	2 @ 05/ 05		1.2 @ 5/ 05	01 @ 140	29	2 ¹ @ 20	50	3 ¹ @ 75/ 1	1.5 ¹ @ 75/ 1
2N4910	2N4898	40	1	20-100 @ 5/1	.6 @ 1/ 1	1.3 @ 1/1		1 @ 40	25	1 @ 25	3		
2N4911	2N4899	60	1	20-100 @ 5/1	.6 @ 1/ 1	1.3 @ 1/1		1 @ 60	25	1 @ 25	3		
2N4912	2N4900	80	1	20-100 @ 5/1	.6 @ 1/ 1	1.3 @ 1/1		1 @ 80	25	1 @ 25	3		
2N5060		125	2	25-100 @ 75/5	1 @ 75/ 1	1.2 @ 75/5		5 @ 125	40	2 @ 20	10	3 @ 75/ 1	4.7 @ 75/ 1
2N5051		150	2	25-100 @ 75/5	1 @ 75/ 1	1.2 @ 75/5		5 @ 150	40	2 @ 20	10	3 @ 75/ 1	4.7 @ 75/ 1
2N5052		200	2	25-100 @ 75/5	1 @ 75/ 1	1.2 @ 75/5		5 @ 200	40	2 @ 20	10	3 @ 75/ 1	4.7 @ 75/ 1
2N5202		50	4	10-100 @ 4/1.2	1.2 @ 4/ 4		2 @ 4/ 4	10 @ 100	35	4 @ 40	40 ¹	4 @ 4/ 8	1.6 @ 4/ 8
2N5427		80	7	30-120 @ 2/2	1.2 @ 7/ 7		1.2 @ 2/ 2	01 @ 75	40	5 @ 8	30	2 @ 2/ 2	2.2 @ 2/ 2
2N5428		80	7	60-240 @ 2/2	1.2 @ 7/ 7		1.2 @ 2/ 2	01 @ 75	40	5 @ 8	30	2 @ 2/ 2	2.2 @ 2/ 2
2N5429		100	7	30-120 @ 2/2	1.2 @ 7/ 7		1.2 @ 2/ 2	01 @ 90	40	5 @ 8	30	2 @ 2/ 2	2.2 @ 2/ 2
2N5430		100	7	60-240 @ 2/2	1.2 @ 7/ 7		1.2 @ 2/ 2	01 @ 90	40	5 @ 8	30	2 @ 2/ 2	2.2 @ 2/ 2
2N5468		400	3	15-60 @ 3/5	.5 @ 3/ 6		1.5 @ 3/ 6	25 @ 500	70	875 @ 80	2.5	25 ¹ @ 1/ 05	2 ¹ @ 1/ 05
2N5469		400	3	15-60 @ 3/5	.5 @ 3/ 6		1.5 @ 3/ 6	25 @ 700	70	875 @ 80	2.5	25 ¹ @ 1/ 05	2 ¹ @ 1/ 05
2N5660		200	1	40-120 @ 5/5	.4 @ 1/ 1		1.2 @ 1/ 1	001 ⁹ @ 250	35	1.1 ¹ @ 45	20	25 @ 5/ 015	85 @ 5/ 015
2N5661		300	1	25-75 @ 5/5	.4 @ 1/ 1		1.2 @ 1/ 1	.001 ⁹ @ 400	35	1.1 ¹ @ 45	20	25 @ 5/ 015	1.2 @ 5/ 015
2N5664		200	3	40-120 @ 1/5	.4 @ 3/ 3		1.2 @ 3/ 3	001 ⁹ @ 250	52.5	875 ¹ @ 80	20	25 @ 1/ 03	1.5 @ 1/ 03
2N5665		300	3	25-75 @ 1/5	.4 @ 3/ 6		1.2 @ 3/ 6	001 ⁹ @ 400	52.5	875 ¹ @ 80	20	25 @ 1/ 05	2 @ 1/ 05
2N6077		275	7	12-70 @ 1.2/1	.5 @ 1.2/ 2		1.9 @ 3/ 6	5 @ 250	45	9 @ 50	1	75 @ 1.2/ 2	5.75 @ 1.2/ 2
2N6078		250	7	12-70 @ 1.2/1	.5 @ 1.2/ 2		2 @ 5/ 1	05 @ 250	45	9 @ 50	1	75 @ 1.2/ 2	5.75 @ 1.2/ 2
2N6079		350	7	12-50 @ 1.2/1	.5 @ 1.2/ 2		2 @ 4/ 8	5 @ 450	45	9 @ 50	1	75 @ 1.2/ 2	5.75 @ 1.2/ 2
2N6233		225	5	25-125 @ 1/5	.5 @ 1/ 1	1 @ 1/5		1 ^b @ 250	50	1.1 @ 45	20	5 @ 1/ 1	4 @ 1/ 1
2N6234		275	5	25-125 @ 1/5	.5 @ 1/ 1	1 @ 1/5		1 ^b @ 300	50	1.1 @ 45	20	5 @ 1/ 1	4 @ 1/ 1
2N6235		325	5	25-125 @ 1/5	.5 @ 1/ 1	1 @ 1/5		1 ^b @ 350	50	1.1 @ 45	20	5 @ 1/ 1	4 @ 1/ 1
2N6315	2N6317	60	7	20-100 @ 2.5/4	1 @ 4/ 4	1.5 @ 2.5/4		25 @ 60	90	3 @ 30	4	7 @ 5/ 25	1.8 @ 2.5/ 25
2N6316	2N6318	80	7	20-100 @ 2.5/4	1 @ 4/ 4	1.5 @ 2.5/4		25 @ 80	90	3 @ 30	4	7 @ 5/ 25	1.8 @ 2.5/ 25
2N6372	2N5956	40	6	20-100 @ 3/4	1 @ 3/ 3	2 @ 3/4		1 @ 45	40	1.1 @ 36	4	7 ¹ @ 1.5/ 15	1.8 ¹ @ 1.5/ 15
2N6373	2N5955	60	6	20-100 @ 2.5/4	1 @ 2.5/ 25	2 @ 2.5/4		1 @ 65	40	1.1 @ 36	4	7 ¹ @ 1.5/ 15	1.8 ¹ @ 1.5/ 15
2N6374	2N5954	80	6	20-100 @ 2/4	1 @ 2/ 2	2 @ 2/4		1 @ 85	40	1.1 @ 36	4	7 ¹ @ 1.5/ 15	1.8 ¹ @ 1.5/ 15

NOTES: ^h I_{CEO} @ V_{CB} (mA @ V) ^g I_{CES} @ V_{CE} (mA @ V) ^h V_{CEr} (V) ⁱ (typical)

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