

DIODE TRANSISTOR CO., INC.

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NPN TO-63

Type#	PNP Complement	V _{CE0(sus)} (Volts)	I _C Max	hFE @I _C /V _{CE} (Min-Max @A/V)	V _{CE(SAT)} @I _C /V _{CE} (V@A/A)	V _{BE} @I _C /V _{CE} (V@A/V)	I _{GEV} @V _{CE} (mA @ V)	P _D @T _C =25°C T=1sec (Watts)	f _r (MHz)	t _{ON} @I _C /I _B (s@A/A)	t _{OFF} @I _C /I _B (s@A/A)
2N1936		60	20	10-50@10/10	.75@10/1.6	1.25@10/3	10@120	150	5@30	4.0	
2N1937		80	20	10-50@10/10	.75@10/1.6	1.25@10/3	10@120	150	5@30	40	
2N3265		90	20	25-55@15/2	1@20/2	1.8@20/2	20@150	100	.35@75	20	
2N3266		60	20	20-80@15/3	1.6@20/2	2.2@20/2	20@120	100	.70@50	20	.5@15/1.2
2N3597		40	20	40-120@10/2	1.5@20/2	1.2@10/2	.01@60	100	4@25	30	.5@15/1.2
2N3598		60	20	40-120@10/2	1.5@20/2	1.2@10/2	.01@80	100	4@25	30	.7@10/1
2N3599		80	20	40-120@10/2	1.5@20/2	1.2@10/2	.01@100	100	4@25	30	.7@10/1
2N4210		60	20	20-100@10/6	1@10/1	1.6@10/6	.5@80	100		10	
2N4211		80	20	20-100@10/6	1@10/1	1.6@10/6	.5@100	100		10	
2N5539		130	20	20-75@10/5	.8@15/1.5	1.5@15/1.5	.2@175	100	3.3@30	20	.5@10/1
2N4002		80	30	20-80@15/4	1.2@30/4	1.8@30/4	17@90	100	8@12.5	30	1@15/1.5
2N4003		100	30	20-80@15/4	1.2@30/4	1.8@30/4	17@110	100	8@12.5	30	1@15/1.5
2N5733		80	30	30-300@10/2	1.2@20/2	1.5@20/2	17@100	100		30	1@15/1.5
2N5968		100	30	20-120@10/10	.8@10/1	2.5@40/4	.5@100	125	5@25	10	4@10/1
2N6046		60	20	20-100@20/4	2@20/1.33	2@20/1.33	5@70	114	5.2@22	30	1@30/3
2N6047		100	20	20-100@20/4	2@20/1.33	2@20/1.33	5@110	114	5.2@22	30	.6@20/1.33
2N6048		140	20	20-100@20/4	2@20/1.33	2@20/1.33	5@150	114	5.2@22	30	.9@20/1.33
2N6062		100	50	20-120@20/10	1@20/2	2.5@60/6	.5@100	150	6@25	10	1@30/3
2N6215		80	50	25-150@25/2	1.5@50/5	1.5@25/1.25	.2@100	125	.7@18	20	.5@40/4
2N6278		100	50	30-120@20/4	1.2@20/2	1.8@20/2	.01@120	143	30@8.3	30	1.25@25/1.25
2N6279		120	50	30-120@20/4	1.2@20/2	1.8@20/2	.01@140	143	30@8.3	30	1.05@20/2
2N6280		140	50	30-120@20/4	1.2@20/2	1.8@20/2	.01@160	143	30@8.3	30	1.05@20/2
2N6281		150	50	30-120@20/4	1.2@20/2	1.8@20/2	.01@180	143	30@8.3	30	1.05@20/2
2N3846		200	20	40-200@5/5	.75@10/1.6	1.2@10/3	27@300	150	7.5@20	10	7@10/2
2N3847		300	20	40-200@5/5	.75@10/1.6	1.2@10/3	27@400	150	7.5@20	10	7@10/2
2N3848		200	20	40-200@5/5	1@15/2	1.4@15/4	27@300	150	7.5@20	10	7@10/2
2N3849		300	20	40-200@5/4	1@15/2	1.4@15/4	27@400	150	7.5@20	10	7@10/2
2N6324		200	30	40-10@5/5	1.5@20/2	2.5@30/5	27@300	200	4.5@44	10	7@10/2
2N6325		300	30	30-150@5/5	1.5@20/2	2.5@30/5	27@400	200	4.5@44	10	7@10/2

Epitaxial-Base N-P-N and P-N-P Families

Type No.	V _{CE0(sus)} V	V _{CEV(sus)} V	P _T W	hFE		V _{CE(sat)} -V		f _T (Typ.) MHz	
				I _C A	V _{CE} V	I _C A	I _B A		
2N6247 FAMILY (p-n-p) Epitaxial-Base, High Power, Complementary to 2N3716 and 2N6472 Families P _T to 160 W max. JEDEC TO-204MA/TO-3 Package									
2N6469	-40	-50†	125	20-150	-5	-4	-1.3	-5	-0.5
2N6594	-40	-45†	115	15-200	-4	-3	-1.5	-4	-0.4
2N4904	-40	—	87.5	25-100	-2.5	-2	-1	-2.5	-0.25
2N5871	-60	—	115	20-100	-2.5	-4	-2	-7	-1.75
2N5875	-60	—	150	20-100	-4	-4	-3	-10	-2.5
2N5879	-60	—	160	20-100	-6	-4	-4	-15	-3.75
2N6246	-60	-70†	125	20-100	-7	-4	-1.3	-7	-0.7
BDX18	-60	-70†	115	20-70	-4	-4	-1	-4	-0.4
MJ2955	-60	-70†	150	20-70	-4	-4	-1.1	-4	-0.4
2N4905	-60	—	87.5	25-100	-2.5	-2	-1	-2.5	-0.25
2N3791	-60	—	150	30-150	-1	-2	-1	-5	-0.5
BD312	-60	—	150	25 min.	-5	-4	-1	-5	-0.5
BD314	-80	—	150	25 min.	-4	-4	-1	-5	-0.5
2N5872	-80	—	115	20-100	-2.5	-4	-2	-7	-1.75
2N5876	-80	—	150	20-100	-4	-4	-3	-10	-2.5
2N5880	-80	—	160	20-100	-6	-4	-4	-15	-3.75
2N6247	-80	-90†	125	20-100	-6	-4	-1.3	-6	-0.6
2N4906	-80	—	87.5	25-100	-2.5	-2	-1	-2.5	-0.25
2N3792	-80	—	150	50-150	-1	-2	-1	-5	-0.5
2N6248	-100	-110†	125	20-100	-5	-4	-1.3	-5	-0.5