

DIODE TRANSISTOR CO., INC.

(201) 886-0400 • Telex: 139-385 • Outside NY & NJ area call TOLL FREE 800-526-4581
 FAX No. 201-575-5863



NPN TO-63

| Type# | PNP Complement | V _{CEO} (sus) (Volts) | I _C Max | hFE @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) | I _{CEV} @V _{CE} (mA @ V) | P _D @ T _C =25°C (Watts) | I _S /β @V _{CE} T = 1sec | 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 | .5@15/1.2 | 2@15/1.2 |
| 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 | 2@15/1.2 |
| 2N3597 | | 40 | 20 | 40-120@10/2 | 1.5@20/2 | 1.2@10/2 | .01@60 | 100 | 4@25 | 30 | .7@10/1 | 2@10/1 |
| 2N3598 | | 60 | 20 | 40-120@10/2 | 1.5@20/2 | 1.2@10/2 | .01@80 | 100 | 4@25 | 30 | .7@10/1 | 2@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 | 2@10/1 |
| 2N4210 | | 60 | 20 | 20-100@10/6 | 1@10/1 | 1.6@10/6 | .5@80 | 100 | | 10 | | 2.7@10/1 |
| 2N4211 | | 80 | 20 | 20-100@10/6 | 1@10/1 | 1.6@10/6 | .5@100 | 100 | | 10 | | 2.7@10/1 |
| 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 | 2@10/1 |
| 2N4002 | | 80 | 30 | 20-80@15/4 | 1.2@30/4 | 1.8@30/4 | 1@90 | 100 | 8@12.5 | 30 | 1@15/1.5 | 3@15/1.5 |
| 2N4003 | | 100 | 30 | 20-80@15/4 | 1.2@30/4 | 1.8@30/4 | 1@110 | 100 | 8@12.5 | 30 | 1@15/1.5 | 3@15/1.5 |
| 2N5733 | | 80 | 30 | 30-300@10/2 | 1.2@20/2 | 1.5@20/2 | 1@100 | 100 | | 30 | .7@10/1 | 4@10/1 |
| 2N5968 | | 100 | 30 | 20-120@10/10 | .8@10/1 | 2.5@40/4 | .5@100 | 125 | 5@25 | 10 | .5@30/3 | 1@30/3 |
| 2N6046 | | 60 | 20 | 20-100@20/4 | 2@20/1.33 | 2@20/1.33 | 5@70 | 114 | 5.2@22 | 30 | .6@20/1.33 | .9@20/1.33 |
| 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 | .9@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 | .6@20/1.33 | .9@20/1.33 |
| 2N6062 | | 100 | 50 | 20-120@20/10 | 1@20/2 | 2.5@60/6 | .5@100 | 150 | 6@25 | 10 | .5@40/4 | 1@40/4 |
| 2N6215 | | 80 | 50 | 25-150@25/2 | 1.5@50/5 | 1.5@25/1.25 | .2@100 | 125 | .7@18 | 20 | 1@25/1.25 | 1.25@25/1.25 |
| 2N6278 | | 100 | 50 | 30-120@20/4 | 1.2@20/2 | 1.8@20/2 | .01@120 | 143 | 30@8.3 | 30 | .35@20/2 | 1.05@20/2 |
| 2N6279 | | 120 | 50 | 30-120@20/4 | 1.2@20/2 | 1.8@20/2 | .01@140 | 143 | 30@8.3 | 30 | .35@20/2 | 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 | .35@20/2 | 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 | .35@20/2 | 1.05@20/2 |
| 2N3846 | | 200 | 20 | 40-200@5/5 | .75@10/1.6 | 1.2@10/3 | 2@300 | 150 | 7.5@20 | 10 | 4@10/2 | 7@10/2 |
| 2N3847 | | 300 | 20 | 40-200@5/5 | .75@10/1.6 | 1.2@10/3 | 2@400 | 150 | 7.5@20 | 10 | 4@10/2 | 7@10/2 |
| 2N3848 | | 200 | 20 | 40-200@5/5 | 1@15/2 | 1.4@15/4 | 2@300 | 150 | 7.5@20 | 10 | 4@10/2 | 7@10/2 |
| 2N3849 | | 300 | 20 | 40-200@5/4 | 1@15/2 | 1.4@15/4 | 2@400 | 150 | 7.5@20 | 10 | 4@10/2 | 7@10/2 |
| 2N6324 | | 200 | 30 | 40-10@5/1/5 | 1.5@20/2 | 2.5@30/5 | 2@300 | 200 | 4.5@44 | 10 | 4@10/2 | 7@10/2 |
| 2N6325 | | 300 | 30 | 30-150@5/5 | 1.5@20/2 | 2.5@30/5 | 2@400 | 200 | 4.5@44 | 10 | 4@10/2 | 7@10/2 |

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

| Type No. | V _{CEO} (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 | -1.1 | -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 |