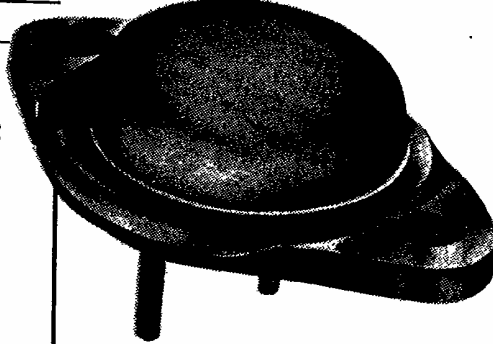


# DIODE TRANSISTOR CO., INC.

(201) 686-0400 • Telex: 139-385 • Outside NY & NJ area call TOLL FREE 800-626-4581  
FAX No. 201-575-5863

## GERMANIUM NPN LOW POWER TRANSISTORS

| DEVICES | PKG  |
|---------|------|
| 2N35    | 03J  |
| 2N78    | 05   |
| 2N94    | T022 |
| 2N97    | T05  |
| 2N98    | 03e  |
| 2N99    | 03e  |
| 2N103   | 03e  |
| 2N124   | 03e  |
| 2N125   | 03e  |
| 2N212   | T022 |
| 2N213   | 03e  |
| 2N214   | T022 |
| 2N228   | T022 |
| 2N229   | T022 |
| 2N333   | T022 |
| 2N388A  | T05  |
| 2N585   | T01  |
| 2N647   | T01  |
| 2N649   | T01  |
| 2N1010  | T01  |
| 2N1302  | T05  |
| 2N1303  | T05  |
| 2N1304  | T05  |
| 2N1306  | T05  |
| 2N1308  | T05  |
| 2N2430  | T01  |



| Type Number | $V_{CE0}$<br>V<br>max | $V_{CE0}$<br>V<br>max | $V_{EBO}$<br>V<br>max | $I_C$<br>A<br>max | CURRENT GAIN at     |               |            | $f_T$<br>MHz | $R_{\theta JA}$<br>j-case<br>°C/W<br>max |
|-------------|-----------------------|-----------------------|-----------------------|-------------------|---------------------|---------------|------------|--------------|------------------------------------------|
|             |                       |                       |                       |                   | $h_{FE}$<br>min-max | $V_{CE}$<br>V | $I_C$<br>A |              |                                          |
| AUY22       | 80                    | 60                    | 20                    | 8                 | 12.5-25             | 0.5           | 5          | 0.3          | 1.5                                      |
|             | 80                    | 60                    | 20                    | 8                 | 20-40               | 0.5           | 5          | 0.3          | 1.5                                      |
| AUY24       | 80                    | 60                    | 20                    | 8                 | 30-60               | 0.5           | 5          | 0.3          | 1.5                                      |
| AUY26       | 65                    | 45                    | 20                    | 3                 | 30-50               | 0.6           | 1          | 0.35         | 1.5                                      |
|             | 80                    | 60                    | 20                    | 3                 | 20-35               | 0.6           | 1          | 0.35         | 1.5                                      |
| AUY27       | 80                    | 60                    | 20                    | 3                 | 30-50               | 0.6           | 1          | 0.35         | 1.5                                      |
| AUY28       | 90                    | 65                    | 25                    | 6                 | 20-33               | 1.5           | 5          | 0.25         | 1.5                                      |
| AUY29       | 50                    | 32                    | 10                    | 15                | 20-40               | 0.5           | 5          | 0.3          | 1.5                                      |
|             | 50                    | 32                    | 10                    | 15                | 30-60               | 0.5           | 5          | 0.3          | 1.5                                      |
|             | 50                    | 32                    | 10                    | 15                | 50-100              | 0.5           | 5          | 0.3          | 1.5                                      |
| AUY34       | 100                   | 80                    | 20                    | 3                 | 12.5-25             | 1             | 1          | 0.35         | 1.5                                      |
|             | 100                   | 80                    | 20                    | 3                 | 20-40               | 1             | 1          | 0.35         | 1.5                                      |
|             | 100                   | 80                    | 20                    | 3                 | 30-60               | 1             | 1          | 0.35         | 1.5                                      |
| OC19        | 32                    | 32                    | 10                    | 3                 | 10-56               | 1             | 2          |              | 1.0                                      |
| OC20        | 100                   | 75                    | 40                    | 8                 | 20-45               | 1             | 6          |              | 1.0                                      |
| OC22        | 47                    | 32                    | 15                    | 2                 | 50 -                | 2             | 1          |              | 3.0                                      |
| OC23        | 55                    | 40                    | 15                    | 2                 | 50 -                | 2             | 1          |              | 3.0                                      |
| OC24        | 47                    | 40                    | 15                    | 2                 | 50 -                | 2             | 1          |              | 3.0                                      |
| OC25        | 40                    | 40                    | 10                    | 4                 | 12-60               | 1             | 4          |              | 2.0                                      |
| OC26        | 32                    | 32                    | 10                    | 4                 | 20-60               | 1             | 1          |              | 1.2                                      |
| OC28        | 80                    | 60                    | 40                    | 10                | 15-30               | 1             | 6          | 0.2          | 1.5                                      |
| OC29        | 60                    | 48                    | 20                    | 10                | 35-80               | 1             | 6          | 0.25         | 1.5                                      |
| OC30        | 16                    | 16                    | 10                    | 1.4               | 28                  | 1             | 0.8        |              | 1.0                                      |
| OC35        | 60                    | 48                    | 20                    | 10                | 20-45               | 1             | 6          | 0.22         | 1.5                                      |
| OC36        | 80                    | 60                    | 40                    | 10                | 20-65               | 1             | 6          | 0.22         | 1.5                                      |

Outline numbers refer to Pro-Electron designations.

## GERMANIUM POWER TRANSISTORS

| Type<br>Number      | Case<br>Type | $V_{C_{EO}}$<br>V | $V_{C_{EO}}$<br>V | $V_{E_{EO}}$<br>V | $V_{CE_{R}}$<br>V | $V_{CE_{S}}$<br>V | CURRENT GAIN     |                  |                            |     |
|---------------------|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|----------------------------|-----|
|                     |              |                   |                   |                   |                   |                   | $h_{FE}$<br>Min. | $h_{FE}$<br>Max. | $V_{CE}$<br>V @ $I_C$<br>A |     |
| 2 AMP GERMANIUM PNP |              |                   |                   |                   |                   |                   |                  |                  |                            |     |
| 2N250               | TO-3         | 30                |                   | 15.0              |                   |                   | 30               |                  | 2.0                        | .5  |
| 2N251               | TO-3         | 60                |                   | 15.0              |                   |                   | 30               |                  | 2.0                        | .5  |
| 2N296               | TO-3         | 60                |                   | 15.0              | 60                |                   | 20               |                  | 2.0                        | 1.0 |
| 2N301               | TO-3         | 40                |                   | 10.0              | 50                |                   | 30               | 70               | 1.5                        | .5  |
| 2N301A              | TO-3         | 60                |                   | 10.0              | 50                |                   | 30               | 70               | 1.5                        | .5  |
| 2N307A              | TO-3         | 35                |                   | 10.0              |                   |                   | 30               |                  | 1.0                        | .5  |