

## Bipolar Power Transistors

## General Purpose (Continued)

| Type No.            | V <sub>CEO(sus)</sub><br>V | V <sub>CES(sus)</sub><br>V | P <sub>T</sub><br>W | h <sub>FE</sub>              |                      | V <sub>CE(sat)</sub> -V |                     | f <sub>T</sub> (Typ)<br>MHz | JEDEC<br>Package |     |        |
|---------------------|----------------------------|----------------------------|---------------------|------------------------------|----------------------|-------------------------|---------------------|-----------------------------|------------------|-----|--------|
|                     |                            |                            |                     | I <sub>C</sub><br>A          | V <sub>CE</sub><br>V | I <sub>C</sub><br>A     | I <sub>B</sub><br>A |                             |                  |     |        |
| D40D FAMILY (n-p-n) |                            |                            | -                   | Complementary to D41D Family |                      |                         |                     |                             |                  |     |        |
| D40D1               | 30                         | 45                         | 6.25                | 10 min.                      | 1                    | 2                       | 0.5                 | 0.5                         | 0.05             | 200 | TO-202 |
| D40D2               | 30                         | 45                         | 6.25                | 20 min.                      | 1                    | 2                       | 0.5                 | 0.5                         | 0.05             |     |        |
| D40D4               | 45                         | 60                         | 6.25                | 10 min.                      | 1                    | 2                       | 0.5                 | 0.5                         | 0.05             |     |        |
| D40D5               | 45                         | 60                         | 6.25                | 10 min.                      | 1                    | 2                       | 0.5                 | 0.5                         | 0.05             |     |        |
| D40D7               | 60                         | 75                         | 6.25                | 10 min.                      | 1                    | 2                       | 1                   | 0.5                         | 0.05             |     |        |
| D40D8               | 60                         | 75                         | 6.25                | 10 min.                      | 1                    | 2                       | 1                   | 0.5                         | 0.05             |     |        |
| D40E FAMILY (n-p-n) |                            |                            | -                   | Complementary to D41E Family |                      |                         |                     |                             |                  |     |        |
| D40E1               | 30                         | 45                         | 8                   | 10 min.                      | 1                    | 2                       | 1                   | 1                           | 0.1              | 230 | TO-202 |
| D40E5               | 60                         | 70                         | 8                   | 10 min.                      | 1                    | 2                       | 1                   | 1                           | 0.1              |     |        |
| D41D FAMILY (p-n-p) |                            |                            | -                   | Complementary to D40D Family |                      |                         |                     |                             |                  |     |        |
| D41D1               | -30                        | -45                        | 6.25                | 10 min.                      | -1                   | -2                      | -0.5                | -0.5                        | -0.05            | 150 | TO-202 |
| D41D2               | -30                        | -45                        | 6.25                | 20 min.                      | -1                   | -2                      | -0.5                | -0.5                        | -0.05            |     |        |
| D41D4               | -45                        | -60                        | 6.25                | 10 min.                      | -1                   | -2                      | -0.5                | -0.5                        | -0.05            |     |        |
| D41D5               | -45                        | -60                        | 6.25                | 10 min.                      | -1                   | -2                      | -0.5                | -0.5                        | -0.05            |     |        |
| D41D7               | -60                        | -75                        | 6.25                | 10 min.                      | -1                   | -2                      | -1                  | -0.5                        | -0.05            |     |        |
| D41D8               | -60                        | -75                        | 6.25                | 10 min.                      | -1                   | -2                      | -1                  | -0.5                        | -0.05            |     |        |
| D41E FAMILY (p-n-p) |                            |                            | -                   | Complementary to D40E Family |                      |                         |                     |                             |                  |     |        |
| D41E1               | -30                        | -45                        | 8                   | 10 min.                      | -1                   | -2                      | -1                  | -1                          | -0.1             | 175 | TO-202 |
| D41E5               | -60                        | -70                        | 8                   | 10 min.                      | -1                   | -2                      | -1                  | -1                          | -0.1             |     |        |
| D41E7               | -80                        | -90                        | 8                   | 10 min.                      | -1                   | -2                      | -1                  | -1                          | -0.1             |     |        |
| D42C FAMILY (n-p-n) |                            |                            | -                   | Complementary to D43C Family |                      |                         |                     |                             |                  |     |        |
| D42C1               | 30                         | 40                         | 12.5                | 10 min.                      | 1                    | 1                       | 0.5                 | 1                           | 0.1              | 50  | TO-202 |
| D42C2               | 30                         | 40                         | 12.5                | 20 min.                      | 2                    | 1                       | 0.5                 | 1                           | 0.05             |     |        |
| D42C3               | 30                         | 40                         | 12.5                | 20 min.                      | 2                    | 1                       | 0.5                 | 1                           | 0.05             |     |        |
| D42C4               | 45                         | 55                         | 12.5                | 10 min.                      | 1                    | 1                       | 0.5                 | 1                           | 0.1              |     |        |
| D42C5               | 45                         | 55                         | 12.5                | 20 min.                      | 2                    | 1                       | 0.5                 | 1                           | 0.05             |     |        |
| D42C6               | 45                         | 55                         | 12.5                | 20 min.                      | 2                    | 1                       | 0.5                 | 1                           | 0.05             |     |        |
| D42C7               | 60                         | 70                         | 12.5                | 10 min.                      | 1                    | 1                       | 0.5                 | 1                           | 0.1              |     |        |
| D42C8               | 60                         | 70                         | 12.5                | 20 min.                      | 2                    | 1                       | 0.5                 | 1                           | 0.05             |     |        |
| D42C9               | 60                         | 70                         | 12.5                | 20 min.                      | 2                    | 1                       | 0.5                 | 1                           | 0.05             |     |        |
| D42C10              | 80                         | 90                         | 12.5                | 10 min.                      | 1                    | 1                       | 0.5                 | 1                           | 0.1              |     |        |
| D42C11              | 80                         | 90                         | 12.5                | 20 min.                      | 2                    | 1                       | 0.5                 | 1                           | 0.05             |     |        |
| D42C12              | 80                         | 90                         | 12.5                | 20 min.                      | 2                    | 1                       | 0.5                 | 1                           | 0.05             |     |        |