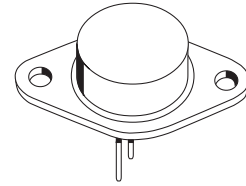


# Power Transistors

TO-3 Case



| TYPE NO. |        | I <sub>C</sub><br>(A)<br>MAX | P <sub>D</sub><br>(W) | BV <sub>CBO</sub><br>(V)<br>MIN | BV <sub>CEO</sub><br>(V)<br>MIN | h <sub>FE</sub> |        | @ I <sub>C</sub><br>(A) | V <sub>CE(SAT)</sub> @ I <sub>C</sub> |     | f <sub>T</sub><br>(MHz)<br>MIN |
|----------|--------|------------------------------|-----------------------|---------------------------------|---------------------------------|-----------------|--------|-------------------------|---------------------------------------|-----|--------------------------------|
| NPN      | PNP    |                              |                       |                                 |                                 | MIN             | MAX    |                         | (V)<br>MAX                            | (A) |                                |
| 2N3055   | MJ2955 | 15                           | 115                   | 100                             | 60                              | 5.0             | --     | 10                      | 3.0                                   | 10  | 2.5                            |
| 2N3442   |        | 10                           | 117                   | 160                             | 140                             | 20              | 70     | 3.0                     | 5.0                                   | 10  | --                             |
| 2N3713   | 2N3789 | 10                           | 150                   | 80                              | 60                              | 15              | --     | 3.0                     | 1.0                                   | 5.0 | 4.0                            |
| 2N3714   | 2N3790 | 10                           | 150                   | 100                             | 80                              | 15              | --     | 3.0                     | 1.0                                   | 5.0 | 4.0                            |
| 2N3715   | 2N3791 | 10                           | 150                   | 80                              | 60                              | 30              | --     | 3.0                     | 1.0                                   | 5.0 | 4.0                            |
| 2N3716   | 2N3792 | 10                           | 150                   | 100                             | 80                              | 30              | --     | 3.0                     | 1.0                                   | 5.0 | 4.0                            |
| 2N3771   |        | 30                           | 150                   | 50                              | 40                              | 15              | 60     | 15                      | 2.0                                   | 15  | --                             |
| 2N3772   |        | 20                           | 150                   | 100                             | 60                              | 15              | 60     | 10                      | 1.4                                   | 10  | --                             |
| 2N3773   | 2N6609 | 16                           | 150                   | 160                             | 140                             | 15              | 60     | 8.0                     | 4.0                                   | 16  | --                             |
| 2N4913   | 2N4904 | 5.0                          | 87.5                  | 40                              | 40                              | 7.0             | --     | 5.0                     | 1.5                                   | 5.0 | 4.0                            |
| 2N4914   | 2N4905 | 5.0                          | 87.5                  | 60                              | 60                              | 7.0             | --     | 5.0                     | 1.5                                   | 5.0 | 4.0                            |
| 2N4915   | 2N4906 | 5.0                          | 87.5                  | 80                              | 80                              | 7.0             | --     | 5.0                     | 1.5                                   | 5.0 | 4.0                            |
| 2N5067   | 2N4901 | 5.0                          | 87.5                  | 40                              | 40                              | 7.0             | --     | 5.0                     | 1.5                                   | 5.0 | 4.0                            |
| 2N5068   | 2N4902 | 5.0                          | 87.5                  | 60                              | 60                              | 7.0             | --     | 5.0                     | 1.5                                   | 5.0 | 4.0                            |
| 2N5069   | 2N4903 | 5.0                          | 87.5                  | 80                              | 80                              | 7.0             | --     | 5.0                     | 1.5                                   | 5.0 | 4.0                            |
| 2N5301   | 2N4398 | 30                           | 200                   | 40                              | 40                              | 15              | 60     | 15                      | 4.0                                   | 30  | 4.0                            |
| 2N5302   | 2N4399 | 30                           | 200                   | 60                              | 60                              | 15              | 60     | 15                      | 4.0                                   | 30  | 4.0                            |
| 2N5303   | 2N5745 | 20                           | 200                   | 80                              | 80                              | 15              | 60     | 10                      | 2.0                                   | 20  | 2.0                            |
| 2N5629   | 2N6029 | 16                           | 200                   | 100                             | 100                             | 25              | 100    | 8.0                     | 2.0                                   | 16  | 1.0                            |
| 2N5632   | 2N6229 | 10                           | 150                   | 100                             | 100                             | 25              | 100    | 5.0                     | 2.0                                   | 10  | 1.0                            |
| 2N5877   | 2N5875 | 10                           | 150                   | 60                              | 60                              | 4.0             | --     | 10                      | 3.0                                   | 10  | 4.0                            |
| 2N5878   | 2N5876 | 10                           | 150                   | 80                              | 80                              | 4.0             | --     | 10                      | 3.0                                   | 10  | 4.0                            |
| 2N5881   | 2N5879 | 15                           | 160                   | 60                              | 60                              | 4.0             | --     | 15                      | 4.0                                   | 15  | 4.0                            |
| 2N5882   | 2N5880 | 15                           | 160                   | 80                              | 80                              | 4.0             | --     | 15                      | 4.0                                   | 15  | 4.0                            |
| 2N5885   | 2N5883 | 25                           | 200                   | 60                              | 60                              | 20              | 100    | 10                      | 4.0                                   | 25  | 4.0                            |
| 2N5886   | 2N5884 | 25                           | 200                   | 80                              | 80                              | 20              | 100    | 10                      | 4.0                                   | 25  | 4.0                            |
| 2N6055   | 2N6053 | 8.0                          | 100                   | 60                              | 60                              | 750             | 18,000 | 4.0                     | 3.0                                   | 8.0 | 4.0                            |
| 2N6056   | 2N6054 | 8.0                          | 100                   | 80                              | 80                              | 750             | 18,000 | 4.0                     | 3.0                                   | 8.0 | 4.0                            |
| 2N6057   | 2N6050 | 12                           | 150                   | 60                              | 60                              | 750             | 18,000 | 6.0                     | 3.0                                   | 12  | 4.0                            |
| 2N6058   | 2N6051 | 12                           | 150                   | 80                              | 80                              | 750             | 18,000 | 6.0                     | 3.0                                   | 12  | 4.0                            |
| 2N6059   | 2N6052 | 12                           | 150                   | 100                             | 100                             | 750             | 18,000 | 6.0                     | 3.0                                   | 12  | 4.0                            |
|          | 2N6246 | 15                           | 125                   | 70                              | 60                              | 20              | 100    | 7.0                     | 2.5                                   | 15  | 4.0                            |
|          | 2N6247 | 15                           | 125                   | 90                              | 80                              | 20              | 100    | 6.0                     | 3.5                                   | 15  | 4.0                            |

Shaded areas indicate Darlingtons.

**Central**  
Semiconductor Corp.

www.centalsemi.com

(6-December 2004)

## OUTSTANDING SUPPORT AND SUPERIOR SERVICES



---

### PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

---

### DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2<sup>nd</sup> day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

---

### REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

---

### CONTACT US

#### Corporate Headquarters & Customer Support Team

Central Semiconductor Corp.  
145 Adams Avenue  
Hauppauge, NY 11788 USA  
Main Tel: (631) 435-1110  
Main Fax: (631) 435-1824  
Support Team Fax: (631) 435-3388  
[www.centrasemi.com](http://www.centrasemi.com)

**Worldwide Field Representatives:**  
[www.centrasemi.com/wwreps](http://www.centrasemi.com/wwreps)

**Worldwide Distributors:**  
[www.centrasemi.com/wwdistributors](http://www.centrasemi.com/wwdistributors)

---

For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: [www.centrasemi.com/terms](http://www.centrasemi.com/terms)