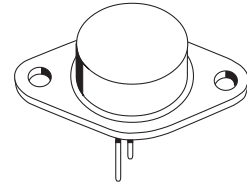


# Power Transistors

## TO-3 Case



| TYPE NO. |        | I <sub>C</sub> | P <sub>D</sub> | BV <sub>CBO</sub> | BV <sub>CEO</sub> | h <sub>FE</sub> |        | @ I <sub>C</sub> | V <sub>CE(SAT)</sub> | @ I <sub>C</sub> | f <sub>T</sub> |
|----------|--------|----------------|----------------|-------------------|-------------------|-----------------|--------|------------------|----------------------|------------------|----------------|
| NPN      | PNP    | (A)<br>MAX     | (W)            | (V)<br>MIN        | (V)<br>MIN        | MIN             | MAX    | (A)              | (V)<br>MAX           | (A)              | (MHz)<br>MIN   |
| 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 Darlington.

(6-December 2004)

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- Custom product packing

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- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

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### 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)

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