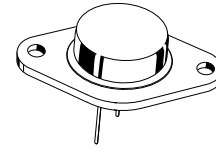


# Power Transistors

## TO-66 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><br>(V)<br>MAX | @ I <sub>C</sub><br>(A) | f <sub>T</sub><br>(MHz)<br>MIN |
|----------|---------|------------------------------|-----------------------|---------------------------------|---------------------------------|-----------------|--------|-------------------------|------------------------------------|-------------------------|--------------------------------|
| NPN      | PNP     |                              |                       |                                 |                                 | MIN             | MAX    |                         |                                    |                         |                                |
| 2N3054   |         | 4.0                          | 25                    | 90                              | 55                              | 25              | 150    | 0.5                     | 1.0                                | 0.5                     | 0.8                            |
| 2N3054A  | 2N6049  | 4.0                          | 75                    | 90                              | 55                              | 25              | 150    | 0.5                     | 0.5                                | 0.5                     | 0.8                            |
| 2N3583   | 2N6420  | 2.0                          | 35                    | 250                             | 175                             | 40              | --     | 0.1                     | 5.0                                | 1.0                     | 10                             |
| 2N3584   | 2N6421  | 2.0                          | 35                    | 375                             | 250                             | 40              | --     | 0.1                     | 0.75                               | 1.0                     | 10                             |
| 2N3585   | 2N6422  | 2.0                          | 35                    | 500                             | 300                             | 40              | --     | 0.1                     | 0.75                               | 1.0                     | 10                             |
| 2N3738   |         | 1.0                          | 20                    | 250                             | 225                             | 40              | 200    | 0.1                     | 2.5                                | 0.25                    | 10                             |
| 2N3739   |         | 1.0                          | 20                    | 325                             | 300                             | 40              | 200    | 0.1                     | 2.5                                | 0.25                    | 10                             |
|          | 2N3740  | 4.0                          | 25                    | 60                              | 60                              | 30              | 150    | 0.25                    | 0.6                                | 1.0                     | 3.0                            |
|          | 2N3740A | 4.0                          | 25                    | 60                              | 60                              | 30              | 150    | 0.25                    | 0.6                                | 1.0                     | 3.0                            |
|          | 2N3741  | 4.0                          | 25                    | 80                              | 80                              | 30              | 150    | 0.25                    | 0.6                                | 1.0                     | 3.0                            |
|          | 2N3741A | 4.0                          | 25                    | 80                              | 80                              | 30              | 150    | 0.25                    | 0.6                                | 1.0                     | 3.0                            |
| 2N3766   |         | 4.0                          | 20                    | 80                              | 60                              | 40              | 160    | 0.5                     | 1.0                                | 0.5                     | 10                             |
| 2N3767   |         | 4.0                          | 20                    | 100                             | 80                              | 40              | 160    | 0.5                     | 1.0                                | 0.5                     | 10                             |
| 2N4231   |         | 3.0                          | 35                    | 50                              | 40                              | 25              | 100    | 1.5                     | 2.0                                | 3.0                     | 4.0                            |
| 2N4231A  | 2N6312  | 5.0                          | 75                    | 40                              | 40                              | 25              | 100    | 1.5                     | 4.0                                | 5.0                     | 4.0                            |
| 2N4232   |         | 3.0                          | 35                    | 70                              | 60                              | 25              | 100    | 1.5                     | 2.0                                | 3.0                     | 4.0                            |
| 2N4232A  | 2N6313  | 5.0                          | 75                    | 60                              | 60                              | 25              | 100    | 1.5                     | 4.0                                | 5.0                     | 4.0                            |
| 2N4233   |         | 3.0                          | 35                    | 90                              | 80                              | 25              | 100    | 1.5                     | 2.0                                | 3.0                     | 4.0                            |
| 2N4233A  | 2N6314  | 5.0                          | 75                    | 80                              | 80                              | 25              | 100    | 1.5                     | 4.0                                | 5.0                     | 4.0                            |
| 2N4240   | 2N6423  | 2.0                          | 35                    | 500                             | 300                             | 40              | --     | 0.1                     | 1.0                                | 0.75                    | 15                             |
| 2N4296   |         | 1.0                          | 20                    | 350                             | 250                             | 50              | 150    | 0.05                    | 0.9                                | 0.05                    | 20                             |
| 2N4298   |         | 1.0                          | 20                    | 500                             | 350                             | 25              | 75     | 0.05                    | 0.9                                | 0.05                    | 20                             |
| 2N4299   |         | 1.0                          | 20                    | 500                             | 350                             | 50              | 150    | 0.05                    | 0.75                               | 0.05                    | 20                             |
| 2N4910   | 2N4898  | 1.0                          | 25                    | 40                              | 40                              | 20              | 150    | 0.5                     | 0.6                                | 1.0                     | 3.0                            |
| 2N4911   | 2N4899  | 1.0                          | 25                    | 60                              | 60                              | 20              | 150    | 0.5                     | 0.6                                | 1.0                     | 3.0                            |
| 2N4912   | 2N4900  | 1.0                          | 25                    | 80                              | 80                              | 20              | 150    | 0.5                     | 0.6                                | 1.0                     | 3.0                            |
| 2N5427   |         | 7.0                          | 40                    | 80                              | 80                              | 30              | 120    | 2.0                     | 0.7                                | 2.0                     | 30                             |
| 2N5428   |         | 7.0                          | 40                    | 80                              | 80                              | 60              | 240    | 2.0                     | 0.7                                | 2.0                     | 30                             |
| 2N5429   |         | 7.0                          | 40                    | 100                             | 100                             | 30              | 120    | 2.0                     | 0.7                                | 2.0                     | 30                             |
| 2N5430   |         | 7.0                          | 40                    | 100                             | 100                             | 60              | 240    | 2.0                     | 0.7                                | 2.0                     | 30                             |
|          | 2N6211  | 1.0                          | 35                    | 275                             | 225                             | 10              | 100    | 1.0                     | 1.4                                | 0.125                   | 20                             |
|          | 2N6212  | 1.0                          | 35                    | 350                             | 300                             | 10              | 100    | 1.0                     | 1.6                                | 0.125                   | 20                             |
|          | 2N6213  | 1.0                          | 35                    | 400                             | 350                             | 10              | 100    | 1.0                     | 2.0                                | 0.125                   | 20                             |
| 2N6260   |         | 4.0                          | 29                    | 50                              | 40                              | 20              | 100    | 1.5                     | 1.5                                | 1.5                     | 0.8                            |
| 2N6261   |         | 4.0                          | 50                    | 90                              | 80                              | 25              | 100    | 1.5                     | 0.5                                | 1.5                     | 0.8                            |
| 2N6263   |         | 3.0                          | 20                    | 140                             | 120                             | 20              | 150    | 0.5                     | 1.2                                | 0.5                     | 0.8                            |
| 2N6294   | 2N6296  | 4.0                          | 50                    | 60                              | 60                              | 750             | 18,000 | 2.0                     | 2.0                                | 2.0                     | 4.0                            |
| 2N6295   | 2N6297  | 4.0                          | 50                    | 80                              | 80                              | 750             | 18,000 | 2.0                     | 2.0                                | 2.0                     | 4.0                            |
| 2N6300   | 2N6298  | 8.0                          | 75                    | 60                              | 60                              | 750             | 18,000 | 4.0                     | 2.0                                | 4.0                     | 4.0                            |
| 2N6301   | 2N6299  | 8.0                          | 75                    | 80                              | 80                              | 750             | 18,000 | 4.0                     | 2.0                                | 4.0                     | 4.0                            |
| 2N6315   | 2N6317  | 7.0                          | 90                    | 60                              | 60                              | 20              | 100    | 2.5                     | 1.0                                | 4.0                     | 4.0                            |
| 2N6316   | 2N6318  | 7.0                          | 90                    | 80                              | 80                              | 20              | 100    | 2.5                     | 1.0                                | 4.0                     | 4.0                            |
| 2N6372   | 2N5954  | 6.0                          | 40                    | 90                              | 80                              | 20              | 100    | 2.0                     | 1.0                                | 2.0                     | 4.0                            |
| 2N6373   | 2N5955  | 6.0                          | 40                    | 70                              | 60                              | 20              | 100    | 2.5                     | 1.0                                | 2.5                     | 4.0                            |
| 2N6374   | 2N5956  | 6.0                          | 40                    | 50                              | 40                              | 20              | 100    | 3.0                     | 1.0                                | 3.0                     | 4.0                            |
|          | 2N6424  | 1.0                          | 20                    | 250                             | 225                             | 40              | 200    | 0.1                     | 2.5                                | 0.25                    | 10                             |
|          | 2N6425  | 1.0                          | 20                    | 325                             | 300                             | 40              | 200    | 0.1                     | 2.5                                | 0.25                    | 10                             |
| 2N6465   | 2N6467  | 4.0                          | 40                    | 110                             | 100                             | 15              | 150    | 1.5                     | 1.2                                | 1.5                     | 5.0                            |
| 2N6466   | 2N6468  | 4.0                          | 40                    | 130                             | 120                             | 15              | 150    | 1.5                     | 1.2                                | 1.5                     | 5.0                            |
| 40312    |         | 4.0                          | 29                    | 60                              | 60                              | 20              | 120    | 1.0                     | 1.0                                | 0.5                     | 0.75                           |
| CM3441   |         | 3.0                          | 25                    | 160                             | 120                             | 25              | 150    | 0.5                     | 1.0                                | 0.5                     | 0.2                            |

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