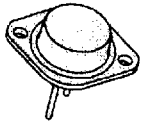


# NEW ENGLAND SEMICONDUCTOR

## BIPOLAR NPN TRANSISTOR TO-3

| PACKAGE                                                                                              | DEVICE<br>TYPE | V <sub>CEO</sub><br>(sus)<br>VOLTS | I <sub>C</sub><br>(max)<br>AMPS | h <sub>FE</sub> @ I <sub>C</sub> / V <sub>CE</sub><br>(min/max<br>@ A/V) | V <sub>CE(sat)</sub><br>@ I <sub>C</sub> /I <sub>B</sub><br>(V @ A/A) | P <sub>D</sub> *<br>WATTS | f <sub>T</sub><br>(MHz) |
|------------------------------------------------------------------------------------------------------|----------------|------------------------------------|---------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------|-------------------------|
| NPN<br>TO-3<br><br> | 2N6032^        | 90                                 | 50                              | 10-50@50/2.6                                                             | 1.3@50/5                                                              | 140                       | 30 <sup>t</sup>         |
|                                                                                                      | 2N6033^        | 120                                | 40                              | 10-50@40/2                                                               | 1@40/4                                                                | 140                       | 30 <sup>t</sup>         |
|                                                                                                      | 2N6274^        | 100                                | 50                              | 30-120@20/4                                                              | 1.2@20/2                                                              | 250                       | 30                      |
|                                                                                                      | 2N6275         | 120                                | 50                              | 30-120@20/4                                                              | 1.2@20/2                                                              | 250                       | 30                      |
|                                                                                                      | 2N6276         | 140                                | 50                              | 30-120@20/4                                                              | 1.2@20/2                                                              | 250                       | 30                      |
|                                                                                                      | 2N6277^        | 150                                | 50                              | 30-120@20/4                                                              | 1.2@20/2                                                              | 250                       | 30                      |
|                                                                                                      | 2N6322         | 200                                | 30                              | 40-150@5/5                                                               | 1.5@20/2                                                              | 350                       | 10                      |
|                                                                                                      | 2N6323         | 300                                | 30                              | 30-150@5/5                                                               | 1.5@20/2                                                              | 350                       | 10                      |
|                                                                                                      | 2N6326         | 60                                 | 30                              | 6-30@30/4                                                                | 1.5@15/2                                                              | 200                       | 3                       |
|                                                                                                      | 2N6327         | 80                                 | 30                              | 6-30@30/4                                                                | 1.5@15/4                                                              | 200                       | 3                       |
|                                                                                                      | 2N6338^        | 100                                | 25                              | 30-120@10/2                                                              | 1@10/1                                                                | 200                       | 40                      |
|                                                                                                      | 2N6340         | 140                                | 25                              | 30-120@10/1                                                              | 1@10/1                                                                | 200                       | 40                      |
|                                                                                                      | 2N6341^        | 150                                | 25                              | 30-120@10/1                                                              | 1@10/1                                                                | 200                       | 40                      |
|                                                                                                      | 2N6354         | 120                                | 10                              | 10-100@10/2                                                              | 1@10/1                                                                | 140                       | 60 <sup>t</sup>         |
|                                                                                                      | 2N6510         | 200                                | 7                               | 10-50@3/3                                                                | 1.5@3/.6                                                              | 120                       | 3                       |
|                                                                                                      | 2N6511         | 250                                | 7                               | 10-50@4/3                                                                | 1.5@4/.8                                                              | 120                       | 3                       |
|                                                                                                      | 2N6512         | 300                                | 7                               | 10-50@4/3                                                                | 1.5@4/.8                                                              | 120                       | 3                       |
|                                                                                                      | 2N6676^        | 350                                | 15                              | >8@15/3                                                                  | 1@15/3                                                                | 175                       | 15                      |
|                                                                                                      | 2N6677         | 350                                | 15                              | >8@15/3                                                                  | 1.5@15/3                                                              | 175                       | 15                      |
|                                                                                                      | 2N6678^        | 400                                | 15                              | >8@15/3                                                                  | 1.5@15/3                                                              | 175                       | 15                      |
|                                                                                                      | 2N6686         | 160                                | 25                              | 25-100@10/2                                                              | 1.5@25/2.5                                                            | 200                       | 20                      |
|                                                                                                      | 2N6687         | 180                                | 25                              | 25-100@10/2                                                              | 1.5@25/2.5                                                            | 200                       | 20                      |
|                                                                                                      | 2N6688         | 200                                | 25                              | 20-80@10/2                                                               | 1.5@20/2                                                              | 200                       | 20                      |

\* T<sub>C</sub> = 25°C

<sup>h</sup> V<sub>CER</sub>

<sup>t</sup> Typical

^Available in JAN, JANTX, JANTXV