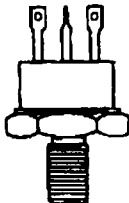


# NEW ENGLAND SEMICONDUCTOR

## BIPOLAR ISOLATED COLLECTOR NPN TO-61

| PACKAGE                                                                                           | DEVICE 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-61<br> | 2N5006      | 80                                 | 10                              | 30-90@5/5                                                                | 1.5@10/1                                                              | 67                         | 30                      |
|                                                                                                   | 2N5008      | 80                                 | 10                              | 70-200@5/5                                                               | 1.5@10/1                                                              | 67                         | 40                      |
|                                                                                                   | 2N5288      | 100                                | 10                              | 30-90@5/5                                                                | 1.5@10/1                                                              | 67                         | 30                      |
|                                                                                                   | 2N5317      | 80                                 | 10                              | 30-90@5/5                                                                | .6@5/5                                                                | 50                         | 30                      |
|                                                                                                   | 2N5319      | 100                                | 10                              | 30-90@5/5                                                                | .6@5/5                                                                | 50                         | 30                      |
|                                                                                                   | 2N6128      | 80                                 | 10                              | 30-120@5/5                                                               | .9@5/5                                                                | 67                         | 50                      |
|                                                                                                   | 2N6689      | 300                                | 15                              | >8@10/2                                                                  | 1@10/2                                                                | 175                        | 15                      |
|                                                                                                   | 2N6690      | 400                                | 15                              | >8@10/2                                                                  | 1@10/2                                                                | 175                        | 15                      |
|                                                                                                   | 2N6691^     | 300                                | 15                              | >8@15/3                                                                  | 1@15/3                                                                | 175                        | 15                      |
|                                                                                                   | 2N6692      | 350                                | 15                              | >8@15/3                                                                  | 1@15/3                                                                | 175                        | 15                      |
|                                                                                                   | 2N6693^     | 400                                | 15                              | >8@15/3                                                                  | 1@15/3                                                                | 175                        | 15                      |

## ISOLATED COLLECTOR NPN TO-111

|                                                                                                      |         |     |   |              |         |    |    |
|------------------------------------------------------------------------------------------------------|---------|-----|---|--------------|---------|----|----|
| NPN<br>TO-111<br> | 2N3996^ | 80  | 5 | 40-120@1/2   | 2@5/5   | 30 | 40 |
|                                                                                                      | 2N3997^ | 80  | 5 | 80-240@1/2   | 2@5/5   | 30 | 40 |
|                                                                                                      | 2N5002  | 80  | 5 | 30-90@2.5/5  | 1.5@5/5 | 33 | 60 |
|                                                                                                      | 2N5004  | 80  | 5 | 70-200@2.5/5 | 1.5@5/5 | 33 | 70 |
|                                                                                                      | 2N5074  | 200 | 3 | 30-110@5/5   | 2@3/3   | 40 | 40 |
|                                                                                                      | 2N5075  | 200 | 3 | 90-250@5/5   | 2@3/3   | 40 | 40 |
|                                                                                                      | 2N5076  | 250 | 3 | 30-110@.5/5  | 2@3/3   | 40 | 40 |
|                                                                                                      | 2N5077  | 250 | 3 | 90-250@.5/5  | 2@3/3   | 40 | 40 |
|                                                                                                      | 2N5347  | 80  | 7 | 60-140@2/2   | 1.2@7/7 | 34 | 30 |
|                                                                                                      | 2N5348  | 100 | 7 | 30-120@2/2   | 1.2@7/7 | 34 | 30 |
|                                                                                                      | 2N5349  | 100 | 7 | 60-240@2/2   | 1.2@7/7 | 34 | 30 |

\*\* T<sub>C</sub> = 100°C

^Available in JAN, JANTX, JANTXV

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