

# NPN Transistors

**Microsemi**  
Resistor Protected by Patents

| Part Number   | Microsemi Division | Package Outline | Type | Mil Spec | Data Sheet ID | PD (W) | IC (A) | V <sub>cb0</sub> (V) | V <sub>ce0</sub> (V) | V <sub>be0</sub> (V) | V <sub>CE(sat)</sub> (V) | @ IC (mA) | HFE min (dB) | HFE max (dB) |
|---------------|--------------------|-----------------|------|----------|---------------|--------|--------|----------------------|----------------------|----------------------|--------------------------|-----------|--------------|--------------|
| 2N1485        | PPC, Inc.          | TO-8            | STD  |          | 22958         | 25     | 3      | 60                   | 40                   | 12                   | 0.75                     | 0.75      | 35           | 100          |
| 2N1486        | PPC, Inc.          | TO-8            | STD  |          | 22959         | 25     | 3      | 100                  | 55                   | 12                   | 0.75                     | 0.75      | 35           | 100          |
| 2N4910        | PPC, Inc.          | TO-66           | STD  |          | 23230         | 25     | 4      | 40                   | 40                   | 5                    | 0.6                      | 0.5       | 20           | 100          |
| 2N4911        | PPC, Inc.          | TO-66           | STD  |          | 23231         | 25     | 4      | 60                   | 60                   | 5                    | 0.6                      | 0.5       | 20           | 100          |
| 2N4912        | PPC, Inc.          | TO-66           | STD  |          | 23232         | 25     | 4      | 80                   | 80                   | 5                    | 0.6                      | 0.5       | 20           | 100          |
| 2N5606        | PPC, Inc.          | TO-66           | STD  |          | 23396         | 25     | 5      | 80                   | 60                   | 6                    | 1.5                      | 2.5       | 70           | 200          |
| 2N5610        | PPC, Inc.          | TO-66           | STD  |          | 23397         | 25     | 5      | 100                  | 80                   | 6                    | 1.5                      | 2.5       | 70           | 200          |
| 2N6352        | PPC, Inc.          | TO-66           | STD  |          | 23575         | 25     | 5      | 80                   | 80                   | 12                   | 1.5                      | 5         | 2000         | 1000         |
| 2N5612        | PPC, Inc.          | TO-66           | STD  |          | 23398         | 25     | 5      | 120                  | 100                  | 6                    | 1.5                      | 2.5       | 30           | 90           |
| 2N6353        | PPC, Inc.          | TO-66           | STD  |          | 23576         | 25     | 5      | 150                  | 150                  | 12                   | 1.5                      | 5         | 1000         | 1000         |
| 2N3018        | PPC, Inc.          | TO-61 Iso       | STD  |          | 23031         | 25     | 10     | 100                  | 50                   | 4                    | 0.75                     | 1         | 60           | 150          |
| 2N4300        | PPC, Inc.          | TO-5            | STD  |          | 23216         | 26     | 2      | 100                  | 80                   | 8                    | 0.5                      | 1         | 30           | 120          |
| 2N5662        | PPC, Inc.          | TO-5            | STD  |          | 23423         | 26     | 2      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JAN2N5662     | PPC, Inc.          | TO-5            | STD  | 454      | 23424         | 26     | 2      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JANTX2N5662   | PPC, Inc.          | TO-5            | STD  | 454      | 23425         | 26     | 2      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JANTXV2N5662  | PPC, Inc.          | TO-5            | STD  | 454      | 23426         | 26     | 2      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| 2N5663        | PPC, Inc.          | TO-5            | STD  |          | 23427         | 26     | 2      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JAN2N5663     | PPC, Inc.          | TO-5            | STD  | 454      | 23428         | 26     | 2      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JANTX2N5663   | PPC, Inc.          | TO-5            | STD  | 454      | 23429         | 26     | 2      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JANTXV2N5663  | PPC, Inc.          | TO-5            | STD  | 454      | 23430         | 26     | 2      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| 2N5666        | PPC, Inc.          | TO-5            | STD  |          | 23441         | 26     | 5      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| 2N5666S       | PPC, Inc.          | TO-5            | STD  |          | 23446         | 26     | 5      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JAN2N5666     | PPC, Inc.          | TO-5            | STD  | 455      | 23442         | 26     | 5      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JAN2N5666S    | PPC, Inc.          | TO-5            | STD  | 455      | 23447         | 26     | 5      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JANS2N5666    | PPC, Inc.          | TO-5            | STD  | 455      | 23445         | 26     | 5      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JANS2N5666S   | PPC, Inc.          | TO-5            | STD  | 455      | 23450         | 26     | 5      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JANTX2N5666   | PPC, Inc.          | TO-5            | STD  | 455      | 23443         | 26     | 5      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JANTX2N5666S  | PPC, Inc.          | TO-5            | STD  | 455      | 23448         | 26     | 5      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JANTXV2N5666  | PPC, Inc.          | TO-5            | STD  | 455      | 23444         | 26     | 5      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| JANTXV2N5666S | PPC, Inc.          | TO-5            | STD  | 455      | 23449         | 26     | 5      | 250                  | 200                  | 6                    | 0.4                      | 1         | 40           | 120          |
| 2N5667        | PPC, Inc.          | TO-5            | STD  |          | 23451         | 26     | 5      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| 2N5667S       | PPC, Inc.          | TO-5            | STD  |          | 23456         | 26     | 5      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JAN2N5667     | PPC, Inc.          | TO-5            | STD  | 455      | 23452         | 26     | 5      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JAN2N5667S    | PPC, Inc.          | TO-5            | STD  | 455      | 23457         | 26     | 5      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JANS2N5667    | PPC, Inc.          | TO-5            | STD  | 455      | 23455         | 26     | 5      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JANS2N5667S   | PPC, Inc.          | TO-5            | STD  | 455      | 23460         | 26     | 5      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JANTX2N5667   | PPC, Inc.          | TO-5            | STD  | 455      | 23453         | 26     | 5      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JANTX2N5667S  | PPC, Inc.          | TO-5            | STD  | 455      | 23458         | 26     | 5      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JANTXV2N5667  | PPC, Inc.          | TO-5            | STD  | 455      | 23454         | 26     | 5      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| JANTXV2N5667S | PPC, Inc.          | TO-5            | STD  | 455      | 23459         | 26     | 5      | 400                  | 300                  | 6                    | 0.4                      | 1         | 25           | 75           |
| 2N4864        | PPC, Inc.          | TO-66           | STD  |          | 23223         | 28     | 2      | 140                  | 120                  | 8                    | 0.2                      | 0.5       | 50           | 150          |
| TIP29         | PPC, Inc.          | TO-220          | STD  |          | 24338         | 30     | 1      | 40                   | 40                   | 5                    | 0.7                      | 1         | 15           | 75           |
| TIP29A        | PPC, Inc.          | TO-220          | STD  |          | 24339         | 30     | 1      | 60                   | 60                   | 5                    | 0.7                      | 1         | 15           | 75           |
| TIP29B        | PPC, Inc.          | TO-220          | STD  |          | 24340         | 30     | 1      | 80                   | 80                   | 5                    | 0.7                      | 1         | 15           | 75           |
| TIP29C        | PPC, Inc.          | TO-220          | STD  |          | 24341         | 30     | 1      | 100                  | 100                  | 5                    | 0.7                      | 1         | 15           | 75           |

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Section Organization: NPN Transistor Parametric Section is organized by ascending PD (watts), followed by ascending IC (amps), and then by Part Number

**General Notes:**

1. Information on contacting Microsemi Divisions can be obtained on the back cover of this catalog
2. For detailed V<sub>CE(sat)</sub> data refer to the product datasheets by using the fax on demand system or contacting the Microsemi manufacturing division.
4. Datasheets can be obtained from Microsemi's Website or Fax on Demand System by specifying the Data Sheet ID

Fax On Demand (800) 713-4113

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