

# PNP Transistors

**Microsemi**  
Products Represented By: PNP

| Part Number | Microsemi Division | Package Outline | Type | Mil Spec | Data Sheet ID | PD (W) | IC (A) | Vcbo (V) | Vceo (V) | Vebo (V) | VCE(sat) (V) | @ IC (mA) | HFE min (dB) | HFE max (dB) |
|-------------|--------------------|-----------------|------|----------|---------------|--------|--------|----------|----------|----------|--------------|-----------|--------------|--------------|
| TIP42       | PPC, Inc.          | TO-220          | STD  |          | 24358         | 65     | 6      | 40       | 40       | 5        | 1.5          | 6         | 15           | 75           |
| TIP42A      | PPC, Inc.          | TO-220          | STD  |          | 24359         | 65     | 6      | 60       | 60       | 5        | 1.5          | 6         | 15           | 75           |
| TIP42B      | PPC, Inc.          | TO-220          | STD  |          | 24360         | 65     | 6      | 80       | 80       | 5        | 1.5          | 6         | 15           | 75           |
| TIP42C      | PPC, Inc.          | TO-220          | STD  |          | 24361         | 65     | 6      | 100      | 100      | 5        | 1.5          | 6         | 15           | 75           |
| 2N6666      | PPC, Inc.          | TO-220          | STD  |          | 24430         | 65     | 8      | 40       | 40       | 5        | 2            | 3         | 1000         | 2000         |
| 2N6667      | PPC, Inc.          | TO-220          | STD  |          | 24431         | 65     | 10     | 60       | 60       | 5        | 2            | 5         | 1000         | 2000         |
| 2N6668      | PPC, Inc.          | TO-220          | STD  |          | 24432         | 65     | 10     | 80       | 80       | 5        | 2            | 5         | 1000         | 2000         |
| 2N3171      | PPC, Inc.          | TO-3            | STD  |          | 23659         | 75     | 3      | 40       | 40       | 10       | 0.75         | 1         | 12           | 36           |
| 2N3172      | PPC, Inc.          | TO-3            | STD  |          | 23660         | 75     | 3      | 60       | 60       | 10       | 0.75         | 1         | 12           | 36           |
| 2N3173      | PPC, Inc.          | TO-3            | STD  |          | 23661         | 75     | 3      | 80       | 80       | 10       | 0.75         | 1         | 12           | 36           |
| 2N3174      | PPC, Inc.          | TO-3            | STD  |          | 23662         | 75     | 3      | 100      | 100      | 10       | 0.75         | 1         | 12           | 36           |
| 2N6049      | PPC, Inc.          | TO-66           | STD  |          | 23885         | 75     | 4      | 90       | 55       | 7        | 0.5          | 0.5       | 25           | 100          |
| 2N3183      | PPC, Inc.          | TO-3            | STD  |          | 23667         | 75     | 5      | 40       | 40       | 10       | 1            | 2         | 10           | 30           |
| 2N3195      | PPC, Inc.          | TO-3            | STD  |          | 23675         | 75     | 5      | 40       | 40       | 10       | 0.9          | 3         | 10           | 30           |
| 2N3184      | PPC, Inc.          | TO-3            | STD  |          | 23668         | 75     | 5      | 60       | 60       | 10       | 1            | 2         | 10           | 30           |
| 2N3196      | PPC, Inc.          | TO-3            | STD  |          | 23676         | 75     | 5      | 60       | 60       | 10       | 0.9          | 3         | 10           | 30           |
| 2N3185      | PPC, Inc.          | TO-3            | STD  |          | 23669         | 75     | 5      | 80       | 80       | 10       | 1            | 2         | 10           | 30           |
| 2N3197      | PPC, Inc.          | TO-3            | STD  |          | 23678         | 75     | 5      | 80       | 80       | 10       | 0.9          | 3         | 10           | 30           |
| 2N3186      | PPC, Inc.          | TO-3            | STD  |          | 23670         | 75     | 5      | 100      | 100      | 10       | 1            | 2         | 10           | 30           |
| 2N3198      | PPC, Inc.          | TO-3            | STD  |          | 23677         | 75     | 5      | 100      | 100      | 10       | 0.9          | 3         | 10           | 30           |
| 2N6040      | PPC, Inc.          | TO-220          | STD  |          | 24403         | 75     | 8      | 60       | 60       | 5        | 2            | 4         | 1000         | 2000         |
| 2N6041      | PPC, Inc.          | TO-220          | STD  |          | 24404         | 75     | 8      | 80       | 80       | 5        | 2            | 4         | 1000         | 2000         |
| 2N6042      | PPC, Inc.          | TO-220          | STD  |          | 24405         | 75     | 8      | 100      | 100      | 5        | 2            | 3         | 1000         | 2000         |
| 2N6489      | PPC, Inc.          | TO-220          | STD  |          | 24427         | 75     | 15     | 50       | 40       | 5        | 1.3          | 5         | 20           | 150          |
| 2N6490      | PPC, Inc.          | TO-220          | STD  |          | 24428         | 75     | 15     | 70       | 60       | 5        | 1.3          | 5         | 20           | 150          |
| 2N6491      | PPC, Inc.          | TO-220          | STD  |          | 24429         | 75     | 15     | 90       | 80       | 5        | 1.3          | 5         | 20           | 150          |
| 2N3163      | PPC, Inc.          | TO-61           | STD  |          | 23655         | 85     | 3      | 40       | 40       | 10       | 0.75         | 1         | 12           | 36           |
| 2N3164      | PPC, Inc.          | TO-61           | STD  |          | 23656         | 85     | 3      | 60       | 60       | 10       | 0.75         | 1         | 12           | 36           |
| 2N3165      | PPC, Inc.          | TO-61           | STD  |          | 23657         | 85     | 3      | 80       | 80       | 10       | 0.75         | 1         | 12           | 36           |
| 2N3166      | PPC, Inc.          | TO-61           | STD  |          | 23658         | 85     | 3      | 100      | 100      | 10       | 0.75         | 1         | 12           | 36           |
| 2N3175      | PPC, Inc.          | TO-61           | STD  |          | 23663         | 85     | 5      | 40       | 40       | 10       | 1            | 2         | 10           | 30           |
| 2N3187      | PPC, Inc.          | TO-61           | STD  |          | 23671         | 85     | 5      | 40       | 40       | 10       | 0.9          | 3         | 10           | 30           |
| 2N3176      | PPC, Inc.          | TO-61           | STD  |          | 23664         | 85     | 5      | 60       | 60       | 10       | 1            | 2         | 10           | 30           |
| 2N3188      | PPC, Inc.          | TO-61           | STD  |          | 23672         | 85     | 5      | 60       | 60       | 10       | 0.9          | 3         | 10           | 30           |
| 2N3177      | PPC, Inc.          | TO-61           | STD  |          | 23665         | 85     | 5      | 80       | 80       | 10       | 1            | 2         | 10           | 30           |
| 2N3189      | PPC, Inc.          | TO-61           | STD  |          | 23673         | 85     | 5      | 80       | 80       | 10       | 0.9          | 3         | 10           | 30           |
| 2N3178      | PPC, Inc.          | TO-61           | STD  |          | 23666         | 85     | 5      | 100      | 100      | 10       | 1            | 2         | 10           | 30           |
| 2N3190      | PPC, Inc.          | TO-61           | STD  |          | 23674         | 85     | 5      | 100      | 100      | 10       | 0.9          | 3         | 10           | 30           |
| 2N4901      | PPC, Inc.          | TO-3            | STD  |          | 23746         | 87.5   | 5      | 40       | 40       | 5        | 0.4          | 1         | 20           | 80           |
| 2N4904      | PPC, Inc.          | TO-3            | STD  |          | 23749         | 87.5   | 5      | 40       | 40       | 5        | 1            | 2.5       | 25           | 100          |
| 2N4902      | PPC, Inc.          | TO-3            | STD  |          | 23747         | 87.5   | 5      | 60       | 60       | 5        | 0.4          | 1         | 20           | 80           |
| 2N4905      | PPC, Inc.          | TO-3            | STD  |          | 23750         | 87.5   | 5      | 60       | 60       | 5        | 1            | 2.5       | 25           | 100          |
| 2N5867      | PPC, Inc.          | TO-3            | STD  |          | 23865         | 87.5   | 5      | 60       | 60       | 5        | 2            | 1.5       | 20           | 100          |
| 2N4903      | PPC, Inc.          | TO-3            | STD  |          | 23748         | 87.5   | 5      | 80       | 80       | 5        | 0.4          | 1         | 20           | 80           |
| 2N4906      | PPC, Inc.          | TO-3            | STD  |          | 23751         | 87.5   | 5      | 80       | 80       | 5        | 1            | 2.5       | 25           | 100          |

Section Organization: PNP 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 VCE(sat) 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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