

# NPN Transistors

**Microsemi**  
Power Enabled by Technology

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)
2N5051	PPC, Inc.	TO-66	STD		23269	40	2	150	150	6	1	0.75	25	100
2N5052	PPC, Inc.	TO-66	STD		23270	40	2	200	200	6	1	0.75	25	100
TIP31	PPC, Inc.	TO-220	STD		24346	40	3	40	40	5	1.2	3	10	50
TIP31A	PPC, Inc.	TO-220	STD		24347	40	3	60	60	5	1.2	3	10	50
TIP31B	PPC, Inc.	TO-220	STD		24348	40	3	80	80	5	1.2	3	10	50
TIP31C	PPC, Inc.	TO-220	STD		24349	40	3	100	100	5	1.2	3	10	50
2N5074	PPC, Inc.	TO-59 Iso	STD		23274	40	3	200	200	6	2	0.5	30	110
2N5075	PPC, Inc.	TO-59 Iso	STD		23275	40	3	200	200	6	2	0.5	90	250
2N5076	PPC, Inc.	TO-59 Iso	STD		23276	40	3	250	250	6	2	0.5	30	110
2N5077	PPC, Inc.	TO-59 Iso	STD		23277	40	3	250	250	6	2	0.5	90	250
2N6121	PPC, Inc.	TO-220	STD		24412	40	4	45	45	5	0.6	1.5	25	100
2N6122	PPC, Inc.	TO-220	STD		24413	40	4	60	60	5	0.6	1.5	25	100
2N6465	PPC, Inc.	TO-66	STD		23581	40	4	110	100	5	3	1.5	15	150
2N6466	PPC, Inc.	TO-66	STD		23582	40	4	130	120	5	3	1.5	15	150
2N6474	PPC, Inc.	TO-220	STD		24422	40	4	130	120	5	1.2	1.5	15	150
2N6374	PPC, Inc.	TO-66	STD		23580	40	6	50	40	5	1	3	20	100
2N6373	PPC, Inc.	TO-66	STD		23579	40	6	70	60	5	1	2.5	20	100
2N6372	PPC, Inc.	TO-66	STD		23578	40	6	90	80	6	1	2	20	100
2N6288	PPC, Inc.	TO-220	STD		24416	40	7	40	30	5	3.5	7	30	150
2N6290	PPC, Inc.	TO-220	STD		24417	40	7	60	50	5	3.5	7	30	150
2N6292	PPC, Inc.	TO-220	STD		24418	40	7	80	70	5	3.5	7	30	150
2N5427	PPC, Inc.	TO-66	STD		23375	40	7	80	80	6	0.7	2	30	100
2N5428	PPC, Inc.	TO-66	STD		23376	40	7	80	80	6	0.7	2	60	240
2N5429	PPC, Inc.	TO-66	STD		23377	40	7	100	100	6	0.7	2	30	120
2N5430	PPC, Inc.	TO-66	STD		23378	40	7	100	100	6	0.7	2	60	240
2N6078	PPC, Inc.	TO-66	STD		23509	45	7	275	250	6	0.5	1.2	12	70
2N6077	PPC, Inc.	TO-66	STD		23508	45	7	300	275	6	0.5	1.2	12	70
2N6079	PPC, Inc.	TO-66	STD		23510	45	7	375	350	6	0.5	1.2	12	50
2N5730	PPC, Inc.	TO-59 Iso	STD		23467	45	10	100	80	5	1.2	2	30	30
TIP110	PPC, Inc.	TO-220	STD		24362	50	2	60	60	5	2.5	2	1000	
TIP111	PPC, Inc.	TO-220	STD		24363	50	2	80	80	5	2.5	2	1000	
TIP112	PPC, Inc.	TO-220	STD		24364	50	2	80	80	5	2.5	2	1000	
2N1725	PPC, Inc.	TO-61	STD		22975	50	5	120	80	15	1	2	50	150
2N5284	PPC, Inc.	TO-59 Iso	STD		23341	50	5	120	100	6	1.5	2.5	30	90
2N5285	PPC, Inc.	TO-59 Iso	STD		23342	50	5	120	100	6	1.5	2.5	70	200
2N1724A	PPC, Inc.	TO-61	STD		22974	50	5	180	120	10	0.6	15	30	90
2N6234	PPC, Inc.	TO-66	STD		23515	50	5	300	275	6	0.5	1	25	125
2N6235	PPC, Inc.	TO-66	STD		23516	50	5	350	325	6	0.5	1	25	125
2N5490	PPC, Inc.	TO-220	STD		24399	50	7	60	40	5	1	2	20	100
2N5494	PPC, Inc.	TO-220	STD		24401	50	7	60	40	5	1	3	20	100
2N5492	PPC, Inc.	TO-220	STD		24400	50	7	75	55	5	1	2.5	20	100
2N5496	PPC, Inc.	TO-220	STD		24402	50	7	90	70	5	1	3.5	20	100
2N6233	PPC, Inc.	TO-66	STD		23514	50	10	250	225	6	0.5	1	25	125
2N5664	PPC, Inc.	TO-66	STD		23431	52	5	250	200	6	0.4	1	40	120
JAN2N5664	PPC, Inc.	TO-66	STD	455	23432	52	5	250	200	6	0.4	1	40	120

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 VCE(sat) data refer to the product datasheets by using the fax on demand system or contacting the Microsemi manufacturing division.
3. For detailed HFE 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

**NPN-14**

<http://www.microsemi.com>

**NPN**