

# NPN Transistors

**Microsemi**  
PHOTONICS • SEMICONDUCTORS

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)
JAN2N2222A	Watertown	TO-18	STD	255	19789	0.5	0.8	75	50	6	0.3	150	100	300
JANTX2N2221A	Watertown	TO-18	STD	255	19787	0.5	0.8	75	50	6	0.3	150	40	120
JANTX2N2222A	Watertown	TO-18	STD	255	19790	0.5	0.8	75	50	6	0.3	150	100	300
JANTXV2N2221A	Watertown	TO-18	STD	255	19788	0.5	0.8	75	50	6	0.3	150	40	120
JANTXV2N2222A	Watertown	TO-18	STD	255	19791	0.5	0.8	75	50	6	0.3	150	100	300
2N3700	Watertown	TO-18	STD		18696	0.5	1	140	80	7	0.2	150	100	300
JAN2N3700	Watertown	TO-18	STD	391	19899	0.5	1	140	80	7	0.2	150	100	300
JANTX2N3700	Watertown	TO-18	STD	391	19900	0.5	1	140	80	7	0.2	150	100	300
JANTXV2N3700	Watertown	TO-18	STD	391	19901	0.5	1	140	80	7	0.2	150	100	300
2N3737	Watertown	TO-46	STD		18697	0.5	1.5	75	40	5	0.5	500	40	140
JAN2N3737	Watertown	TO-46	STD	395	19909	0.5	1.5	75	40	5	0.5	500	40	140
JANTX2N3737	Watertown	TO-46	STD	395	19910	0.5	1.5	75	40	5	0.5	500	40	140
JANTXV2N3737	Watertown	TO-46	STD	395	19911	0.5	1.5	75	40	5	0.5	500	40	140
2N0696	Watertown	TO-5	STD		19700	0.6		60	40	5	1.5	150	20	80
2N0697	Watertown	TO-5	STD		19703	0.6		60	40	5	1.5	150	40	120
JAN2N0696	Watertown	TO-5	STD	99	19701	0.6		60	40	5	1.5	150	20	80
JAN2N0696S	Watertown	TO-5	STD	99	19702	0.6		60	40	5	1.5	150	20	80
JAN2N0697	Watertown	TO-5	STD	99	19704	0.6		60	40	5	1.5	150	40	120
JAN2N0697S	Watertown	TO-5	STD	99	19705	0.6		60	40	5	1.5	150	40	120
2N3904	Chatsworth	TO-92	STD		17975	0.6	0.01	60	40	6	0.2		100	300
2N4401	Chatsworth	TO-92	STD		17977	0.6	0.01	60	40	6	0.4		80	300
PN2222A	Chatsworth	TO-92	STD		18167	0.6	0.01	75	40	6	0.3		75	300
JAN2N2060	Watertown	TO-77	STD	270	19771	0.6	0.5	100	60	7	0.3	50	50	100
JAN2N2060L	Watertown	TO-77	STD	270	19774	0.6	0.5	100	60	7	0.3	50	50	100
JANTX2N2060	Watertown	TO-77	STD	270	19772	0.6	0.5	100	60	7	0.3	50	50	100
JANTX2N2060L	Watertown	TO-77	STD	270	19775	0.6	0.5	100	60	7	0.3	50	50	100
JANTXV2N2060	Watertown	TO-77	STD	270	19773	0.6	0.5	100	60	7	0.3	50	50	100
JANTXV2N2060L	Watertown	TO-77	STD	270	19776	0.6	0.5	100	60	7	0.3	50	50	100
2N0497	Watertown	TO-5	STD		19686	0.8		60	60	8	2	200	12	36
2N0656	Watertown	TO-5	STD		19692	0.8		60	60	8	2	200	30	90
JAN2N0497	Watertown	TO-5	STD	74	19687	0.8		60	60	8	2	200	12	36
JAN2N0497S	Watertown	TO-5	STD	74	19688	0.8		60	60	8	2	200	12	36
JAN2N0656	Watertown	TO-5	STD	74	19693	0.8		60	60	8	2	200	30	90
JAN2N0656S	Watertown	TO-5	STD	74	19694	0.8		60	60	8	2	200	30	90
2N0498	Watertown	TO-5	STD		19689	0.8		100	100	8	2	200	12	36
2N0657	Watertown	TO-5	STD		19695	0.8		100	100	8	2	200	30	90
2N0657A	Watertown	TO-5	STD		19696	0.8		100	100	8	2	200	30	90
2N0657AL	Watertown	TO-5	STD		19697	0.8		100	100	8	2	200	30	90
JAN2N0498	Watertown	TO-5	STD	74	19690	0.8		100	100	8	2	200	12	36
JAN2N0498S	Watertown	TO-5	STD	74	19691	0.8		100	100	8	2	200	12	36
JAN2N0657	Watertown	TO-5	STD	74	19698	0.8		100	100	8	2	200	30	90
JAN2N0657S	Watertown	TO-5	STD	74	19699	0.8		100	100	8	2	200	30	90
2N1613	Watertown	TO-5	STD		18703	0.8	0.5	75	30	7	1.5	150	40	120
2N1711	Watertown	TO-5	STD		18704	0.8	0.5	75	30	7	1.5	150	100	300
JAN2N1613	Watertown	TO-39	STD	181	19753	0.8	0.5	75	30	7	1.5	150	40	120

**NPN**

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.
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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