

# Small Signal Transistors

## TO-39 Case (Continued)



TYPE NO.	DESCRIPTION	V <sub>CBO</sub>	V <sub>CEO</sub>	V <sub>EBO</sub>	I <sub>CBO</sub> @	V <sub>CB</sub>	h <sub>FE</sub>		@ I <sub>c</sub>	@ V <sub>CE</sub>	V <sub>CE(SAT)</sub>	@ I <sub>c</sub>	f <sub>T</sub>	C <sub>ob</sub>	t <sub>on</sub>	t <sub>off</sub>	NF
		(V)	(V)	(V)	(μA)	(V)	MIN	MAX	(mA)	(V)	(V)	(mA)	(MHz)	(pF)	(ns)	(ns)	(dB)
		MIN	MIN	MIN	<sup>†</sup> I <sub>CEO</sub> <sup>**</sup> I <sub>CES</sub> <sup>***</sup> I <sub>CEV</sub> <sup>****</sup> I <sub>CER</sub>						MAX	MIN	MAX	MAX	MAX	MAX	MAX
2N3444	NPN CORE DRIVER	80	50	5.0	0.50	60	20	60	500	1.0	1.20	1,000	150	12	50	70	--
2N3467	PNP CORE DRIVER	40	40	5.0	0.10	30	40	120	500	1.0	0.30	150	175	25	40	90	--
2N3468	PNP CORE DRIVER	50	50	5.0	0.10	30	25	75	500	1.0	0.36	150	150	25	40	90	--
2N3494	PNP AMPL/SWITCH	80	80	4.5	0.10	50	40	--	10	10	0.30	10	200	7.0	--	--	--
2N3495	PNP AMPL/SWITCH	120	120	4.0	0.10	90	40	--	10	10	0.35	10	150	6.0	--	--	--
2N3498	NPN AMPL/SWITCH	100	100	6.0	0.50	50	40	120	150	10	0.60	300	150	10	--	--	--
2N3499	NPN AMPL/SWITCH	100	100	6.0	0.50	50	100	300	150	10	0.60	300	150	10	--	--	--
2N3500	NPN HIGH VOLTAGE	150	150	6.0	0.50	75	40	120	150	10	0.40	150	150	8.0	--	--	--
2N3501	NPN HIGH VOLTAGE	150	150	6.0	0.50	75	100	300	150	10	0.40	150	150	8.0	--	--	--
2N3502	PNP AMPL/SWITCH	45	45	5.0	0.01**	30	100	300	150	10	0.40	150	200	8.0	--	--	--
2N3503	PNP AMPL/SWITCH	60	60	5.0	0.01**	50	100	300	150	10	0.40	150	200	8.0	--	--	--
2N3506	NPN AMPL/SWITCH	60	40	5.0	--	--	40	200	1500	2.0	0.5	500	60	40	--	--	--
2N3507	NPN AMPL/SWITCH	80	50	5.0	--	--	30	150	1500	2.0	0.5	500	60	40	--	--	--
2N3554	NPN CORE DRIVER	60	30	5.0	--	--	25	100	750	10	0.70	750	150	25	50	105	--
2N3634	PNP AMPL/SWITCH	140	140	5.0	0.10	100	50	150	50	10	0.50	50	150	10	400	600	3.0
2N3635	PNP AMPL/SWITCH	140	140	5.0	0.10	100	100	300	50	10	0.50	50	200	10	400	600	3.0
2N3660	PNP AMPL/SWITCH	40	30	5.0	1.20	500	25	100	500	10	1.20	500	30	275	--	--	--
2N3661	PNP AMPL/SWITCH	60	50	5.0	0.10	100	25	100	500	10	1.20	500	30	275	--	--	--
2N3665	NPN AMPL/SWITCH	120	80	6.0	0.50	60	40	120	150	10	0.50	150	60	12	--	--	--
2N3666	NPN AMPL/SWITCH	120	80	6.0	0.50	60	100	300	150	10	0.50	150	60	12	--	--	--
2N3671	PNP AMPL/SWITCH	60	50	5.0	0.10	30	75	275	150	10	0.40	150	200	9.0	--	--	--
2N3678	NPN AMPL/SWITCH	75	55	6.0	0.10	60	40	120	150	10	0.40	150	250	8.0	--	--	--
2N3719	PNP AMPL/SWITCH	40	40	4.0	10	40	25	180	1,000	1.5	0.75	1,000	60	120	--	--	--
2N3720	PNP AMPL/SWITCH	60	60	4.0	10	60	25	180	1,000	1.5	0.75	1,000	60	120	--	--	--
2N3722	NPN CORE DRIVER	60	60	6.0	--	--	40	150	100	5.0	0.22	100	300	10	50	100	--
2N3724A	NPN CORE DRIVER	50	30	6.0	0.50	40	60	150	100	1.0	0.20	100	300	12	35	60	--
2N3725A	NPN CORE DRIVER	80	50	6.0	0.50	60	60	150	100	1.0	0.40	300	300	10	35	60	--
2N3734	NPN CORE DRIVER	50	30	5.0	--	--	30	120	1,000	1.5	0.50	500	300	9.0	48	60	--
2N3735	NPN CORE DRIVER	75	50	5.0	0.20	40	20	80	1,000	1.5	0.50	500	250	9.0	48	60	--
2N3742	NPN HIGH VOLTAGE	300	300	7.0	0.20	200	20	200	30	10	1.00	30	30	6.0	--	--	--
2N3743	PNP HIGH VOLTAGE	300	300	5.0	0.30	200	25	250	30	10	5.00	10	30	15	--	--	--
2N3762	PNP CORE DRIVER	40	40	5.0	--	--	30	100	1,000	1.5	0.90	1,000	180	15	45	105	--
2N3763	PNP CORE DRIVER	60	60	5.0	--	--	20	80	1,000	1.5	0.90	1,000	150	15	45	105	--
2N3764	PNP CORE DRIVER	40	40	5.0	--	--	30	120	1,000	1.5	0.50	500	180	15	45	115	--
2N3830	NPN CORE DRIVER	80	50	5.0	--	--	30	--	500	10	0.50	200	200	12	60	70	--
2N3831	NPN CORE DRIVER	70	40	5.0	--	--	35	--	500	10	0.50	500	200	12	60	70	--
2N3866	NPN VHF/UHF OSC	55	30	3.5	20*	28	10	200	50	5.0	1.00	100	500	3.0	--	--	--
2N3867	PNP AMPL/SWITCH	40	40	4.0	1.00***	40	40	200	1,500	2.0	0.75	1,500	60	120	100	400	--
2N3868	PNP AMPL/SWITCH	60	60	4.0	1.00***	60	30	150	1,500	2.0	0.75	1,500	60	120	100	400	--
2N3923	NPN AMPL/SWITCH	150	150	6.0	0.01	100	30	120	25	10	1.00	25	40	3.5	--	--	--
2N3945	NPN AMPL/SWITCH	70	50	6.0	--	--	40	250	150	10	0.50	150	60	12	--	--	--
2N4000	NPN AMPL/SWITCH	100	80	6.0	2.00**	90	30	120	500	2.0	0.50	1,000	40	60	--	--	--
2N4001	NPN AMPL/SWITCH	120	100	6.0	2.00**	110	40	120	500	2.0	0.50	1,000	40	60	--	--	--

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