

# Small Signal Transistors

## TO-18 Case (Continued)



TYPE NO.	DESCRIPTION	BV <sub>CB0</sub>	BV <sub>CEO</sub>	BV <sub>EBO</sub>	I <sub>CB0</sub> @ *I <sub>CEV</sub> **I <sub>CEV</sub> (μA)	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>		C <sub>ob</sub>	f <sub>T</sub>	NF	t <sub>on</sub>	t <sub>off</sub>
		(V) MIN	(V) MIN	(V) MIN	(V) MAX	(V)	MIN	MAX	(mA)	(V)	(V) MAX	(mA)	(pF) MAX	(MHz) MIN	(dB) MAX	(ns) MAX	(ns) MAX
2N3576	PNP SAT SWITCH	20	15	5.0	--	--	40	120	10	1.0	0.5	100	4.5	400	--	30	50
2N3672	PNP AMPL/SWITCH	60	50	5.0	0.01	30	75	275	150	10	0.4	150	9.0	200	--	--	--
2N3700	NPN AMPL/SWITCH	140	80	7.0	0.01	90	100	300	150	10	0.2	150	12	100	4.0	--	--
2N3701	NPN AMPL/SWITCH	140	80	7.0	0.01	90	40	120	150	10	0.2	150	12	80	4.0	--	--
2N3798A	PNP LOW NOISE	90	90	5.0	0.01	50	150	450	0.5	5.0	0.25	1.0	4.0	30	3.5	--	--
2N3799A	PNP LOW NOISE	90	90	5.0	0.01	50	300	900	0.5	5.0	0.25	1.0	4.0	30	2.5	--	--
2N3829	PNP AMPL/SWITCH	35	20	5.0	0.3*	20	30	120	30	0.4	0.18	30	6.0	350	--	35	65
2N3946	NPN AMPL/SWITCH	60	40	6.0	0.01	40	20	--	50	1.0	0.3	50	4.0	250	--	--	--
2N3947	NPN AMPL/SWITCH	60	40	6.0	0.01	40	40	--	50	1.0	0.3	50	4.0	300	5.0	--	--
2N3962	PNP LOW NOISE	60	60	6.0	0.01	50	100	450	1.0	5.0	0.25	10	6.0	40	3.0	--	--
2N3963	PNP LOW NOISE	80	80	6.0	0.01	70	100	450	1.0	5.0	0.25	10	6.0	40	3.0	--	--
2N3964	PNP LOW NOISE	45	45	6.0	0.01	40	250	600	1.0	5.0	0.25	10	6.0	40	2.0	--	--
2N3965	PNP LOW NOISE	60	60	6.0	0.01	50	250	600	1.0	5.0	0.25	10	6.0	40	2.0	--	--
2N4013	NPN HIGH CURRENT SWITCH	50	30	6.0	1.7	40	60	150	100	1.0	0.42	500	12	300	--	35	60
2N4014	NPN HIGH CURRENT SWITCH	80	50	6.0	1.7	60	60	150	100	1.0	0.52	500	10	300	--	35	60
2N4026	PNP AMPL/SWITCH	70	60	5.0	--	--	40	200	100	5.0	0.15	150	20	100	--	--	--
2N4027	PNP AMPL/SWITCH	80	80	5.0	0.05	60	40	200	100	5.0	0.5	500	20	150	--	--	--
2N4028	PNP AMPL/SWITCH	60	60	5.0	0.05	50	100	300	100	5.0	0.5	500	20	100	--	--	--
2N4029	PNP AMPL/SWITCH	80	80	5.0	0.05	60	100	300	100	5.0	0.5	500	20	150	--	--	--
2N4034	PNP SAT SWITCH	40	40	5.0	0.015	30	70	200	10	1.0	0.3	50	2.2	400	--	40	150
2N4035	PNP SAT SWITCH	40	40	5.0	0.015	30	150	300	10	1.0	0.3	50	2.2	450	--	40	150
2N4068	NPN AMPL/SWITCH	150	150	5.0	0.05	120	30	--	30	10	3.0	30	3.5	50	--	--	--
2N4137	NPN SAT SWITCH	40	15	4.0	--	--	40	--	10	1.0	0.35	10	4.0	500	--	--	--
2N4207	PNP ULTRA HIGH SPEED SWITCH	6.0	6.0	4.0	0.01	3.0	50	120	10	0.03	0.15	10	3.0	650	--	--	15
2N4208	PNP SAT SWITCH	12	12	4.0	0.01	6.0	30	120	10	0.3	0.15	10	3.0	700	--	--	20
2N4209	PNP SAT SWITCH	15	15	4.0	0.01	8.0	50	120	10	0.3	0.18	10	3.0	850	--	--	20
2N4269	NPN AMPL/SWITCH	200	140	15	1.0	150	40	200	10	10	1.0	10	5.0	--	--	--	--
2N4359	PNP LOW NOISE	60	45	5.0	--	--	50	500	0.01	5.0	--	--	--	--	5.0	--	--
2N4384	NPN LOW NOISE	40	30	5.0	0.01	30	100	500	0.01	5.0	0.2	10	8.0	--	2.0	--	--
2N4386	NPN LOW NOISE	40	30	5.0	0.01	30	40	500	0.01	5.0	0.2	10	8.0	--	3.0	--	--
2N4390	NPN AMPL/SWITCH	120	120	6.0	1.0**	70	20	--	2.0	1.0	0.2	2.0	6.0	50	--	--	--
2N4413A	PNP LOW NOISE	60	60	5.0	0.01	30	100	500	0.01	5.0	0.2	10	8.0	--	2.0	--	--
2N4415A	PNP LOW NOISE	60	60	5.0	0.01	30	40	500	0.01	5.0	0.2	10	8.0	--	2.0	--	--
2N4962	NPN AMPL/SWITCH	60	60	6.0	0.01	50	100	300	150	10	0.5	500	15	250	--	--	--
2N4963	NPN AMPL/SWITCH	80	80	6.0	0.01	50	100	300	150	10	0.5	500	15	250	--	--	--
2N5056	PNP FAST SWITCH	15	15	4.5	0.05*	10	30	100	30	0.5	0.19	30	4.5	600	--	--	35
2N5057	PNP FAST SWITCH	15	15	4.5	0.05*	10	40	100	30	0.5	0.19	30	4.5	800	--	--	35
CM4209	PNP SAT SWITCH	15	15	4.5	0.01*	8.0	50	120	10	0.3	0.18	10	7.0	850	--	20	20

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