

# 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> @	V <sub>CB</sub>	h <sub>FE</sub>		@ I <sub>C</sub>	@ V <sub>CE</sub>	V <sub>CE</sub> (SAT) @ I <sub>C</sub>		C <sub>ob</sub>	f <sub>T</sub>	NF	t <sub>on</sub>	t <sub>off</sub>
		(V)	(V)	(V)	(μA)		(V)	MIN	MAX	(mA)	(V)	(V)					
		MIN	MIN	MIN	MAX *ICES **ICEV						MAX	MAX	MAX	MIN	MAX	MAX	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	--	--	--
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	50	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	50*	10	30	100	30	0.5	0.19	30	4.5	600	--	--	35
2N5057	PNP FAST SWITCH	15	15	4.5	50*	10	40	100	30	0.5	0.19	30	4.5	800	--	--	35

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