Small Signal Transistors

TO-18 Case (Continued)



TYPE NO.	DESCRIPTION	BV_{CBO} (V) MIN	BV_{CEO} (V) MIN	BV_{EBO} (V) MIN	I_{CBO} @ *I_{CES} **I_{CEV} (μA) MAX	V_{CB} (V)	h_{FE} MIN	h_{FE} MAX	@ I_C (mA)	@ V_{CE} (V)	$V_{CE(SAT)}$ (V) MAX	@ I_C (mA)	C_{ob} (pF) MAX	f_T (MHz) MIN	NF (dB) MAX	t_{on} (ns) MAX	t_{off} (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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