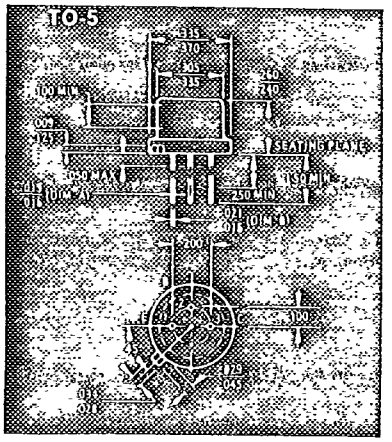
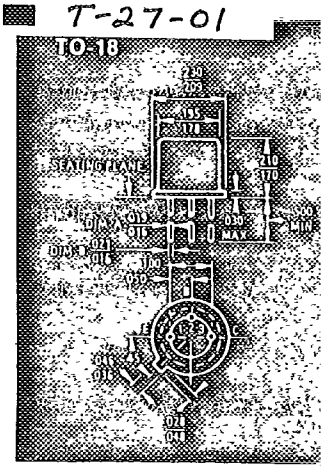
semitron

Semitronics Corp.

SEMICONDUCTORS



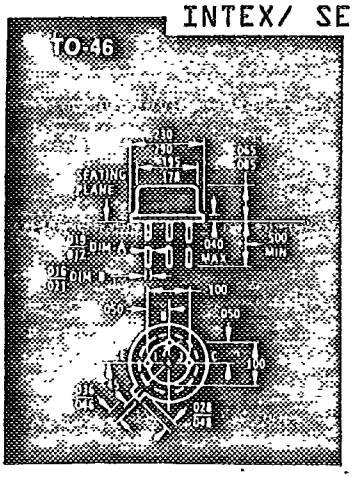


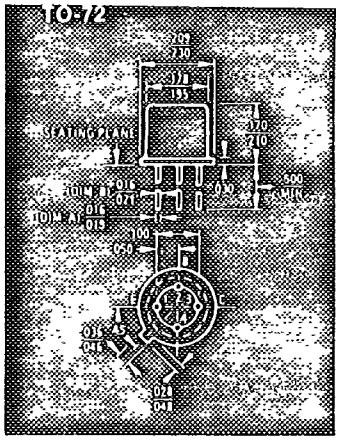
metal can transistors

silicon small signal transistors

Device	Type	Package	Maximum Ratings				Electrical Characteristics @ 25 C											
			P_D Ambient mW	V_{CB} Volts	V_{CE} Volts	V_{EB} Volts	h_{FE} Min/Max	V_{CE} (Sat) @ I_C/I_B Volts	mA/mA	C_{cb} pF Max	C_{ob} pF Max	f_t MHz Min	t_{ON} ns Max	t_{OFF} ns Max	Power Gain @ f dB Min	MHz	NF @ f dB Max	MHz
2N497	NPN	TO-5	800	60	60	8	12/36	5.0	200/40	–	20†	40†	–	–	–	–	–	–
2N498	NPN	TO-5	800	100	100	8	12/36	5.0	200/40	–	20†	40†	–	–	–	–	–	–
2N656	NPN	TO-5	800	60	60	8	30/90	5.0	200/40	–	20†	40†	–	–	–	–	–	–
2N657	NPN	TO-5	800	100	100	8	30/90	5.0	200/40	–	20†	40†	–	–	–	–	–	–
2N696	NPN	TO-5	600	60	40°	5	20/60	1.5	150/15	–	35	40	–	–	–	–	–	–
2N697	NPN	TO-5	600	60	40°	5	40/120	1.5	150/150	–	35	50	–	–	–	–	–	–
2N698	NPN	TO-5	600	120	60	7	20/60	5.0	150/15	–	15	40	–	–	–	–	–	–
2N699	NPN	TO-5	800	120	80°	5	40/120	5.0	150/15	–	20	50	–	–	–	–	–	–
2N699A	NPN	TO-5	800	120	80°	5	40/120	5.0	150/15	–	20	50	–	–	–	–	–	–
2N699B	NPN	TO-5	800	120	80	7	40/120	5.0	150/15	–	15	60	–	–	–	–	–	–
2N706	NPN	TO-18	300	25	20°	3	20/–	0.2	10/1	–	6	200	40†	75†	–	–	–	–
2N706A	NPN	TO-18	300	25	15	5	20/60	0.2	10/1	–	5	200	40	75	–	–	–	–
2N706B	NPN	TO-18	300	25	15	5	20/60	0.2	10/1	–	5	200	40	75	–	–	–	–
2N706C	NPN	TO-18	360	40	15	5	20/60	0.3	30/3	–	5	200	40	75	–	–	–	–
2N708	NPN	TO-18	360	40	15	5	30/120	0.3	30/3	–	6	300	35	65	–	–	–	–
2N718	NPN	TO-18	400	60	40°	5	40/120	1.5	150/15	–	35	50	–	–	–	–	–	–
2N718A	NPN	TO-18	500	75	50°	7	40/120	1.5	150/15	–	25	60	–	–	–	–	–	–
2N719	NPN	TO-18	400	120	80°	5	20/60	5.0	150/15	–	20	40	–	–	–	–	–	–
2N720	NPN	TO-18	400	120	80°	5	40/120	5.0	150/15	–	20	50	–	–	–	–	–	–
2N720A	NPN	TO-18	500	120	80°	7	40/120	5.0	150/15	–	15	50	–	–	–	–	–	–
2N721	PNP	TO-18	400	50	35	5	20/45	1.5	150/15	–	45	50	–	–	–	–	–	–
2N722	PNP	TO-18	400	50	35	5	30/90	1.5	150/15	–	45	50	–	–	–	–	–	–
2N730	NPN	TO-18	500	60	40°	5	20/60	1.5	150/15	–	35	40	–	–	–	–	–	–
2N731	NPN	TO-18	500	60	40°	5	40/120	1.5	150/15	–	35	50	–	–	–	–	–	–
2N743	NPN	TO-18	300	20	12	5	20/60	0.6	100/10	–	6	400	16	24	–	–	–	–
2N743A	NPN	TO-18	360	40	15	5	20/60	0.6	100/10	–	5	500	12	15	–	–	–	–
2N744	NPN	TO-18	300	20	12	5	40/120	0.6	100/10	–	4	400	16	24	–	–	–	–
2N744A	NPN	TO-18	360	40	15	5	40/120	0.6	100/10	–	5	500	–	–	–	–	–	–
2N760	NPN	TO-18	500	45	45	8	76/333	1.0	10/1.0	–	8	50	–	–	–	–	–	–
2N760A	NPN	TO-18	500	60	60	8	76/333	1.0	10/1.0	–	8	50	–	–	–	–	–	–
2N783	NPN	TO-18	300	40	20°	5	20/80	0.25	10/1.0	–	3.!	200	18	30	–	–	–	–
2N784	NPN	TO-18	300	30	15°	5	20/–	0.16	10/1.0	–	3.!	200	15	40	–	–	–	–
2N784A	NPN	TO-18	350	40	20°	5	25/150	0.19	10/1.0	–	3.!	300	20	40	–	–	–	–
2N834	NPN	TO-18	300	40	30°	5	25/–	0.4	50/5	–	4	350	35	75	–	–	–	–
2N834A	NPN	TO-18	360	40	30°	5	25/–	0.4	50/5	–	4	500	35	75	–	–	–	–
2N835	NPN	TO-18	300	25	20	5	20/–	0.3	10/1.0	–	4	300	20	35	–	–	–	–
2N869	PNP	TO-18	1200	25	18	5	20/–	–	–	–	–	100	–	18	–	–	–	–
2N869A	PNP	TO-18	360	25	18	5	40/120	0.5	100/10	–	6	400	50	80	–	–	–	–
2N870	NPN	TO-18	500	100	60	7	40/120	5.0	150/15	–	15	50	–	–	–	–	–	–
2N871	NPN	TO-18	500	100	60	7	100/300	5.0	150/15	–	15	60	–	–	–	–	–	–
2N910	NPN	TO-18	500	100	60	7	75/–	1.2	50/5	–	15	60	–	–	–	–	–	–
2N911	NPN	TO-18	500	100	60	7	35/–	1.2	5/5	–	15	50	–	–	–	–	–	–
2N912	NPN	TO-18	500	100	60	7	15/–	1.2	50/5	–	15	40	–	–	–	–	–	–
2N916	NPN	TO-18	360	70	50	5	50/200	–	–	–	3.5	250	–	–	10†	100	2	1.0
2N916	NPN	TO-18	360	45	25	5	50/200	–	–	–	6.0	300	–	–	10†	100	2	1.0
2N917	NPN	TO-72	200	30	15	3	20/200	–	–	–	1.7	600	–	–	9	200	6	60.0
2N917A	NPN	TO-72	200	30	15	3	20/200	–	–	–	1.7	600	–	–	15	200	6	60.0
2N918	NPN	TO-72	200	30	15	3	20/–	–	–	–	1.7	600	–	–	15	200	6	60.0
2N929	NPN	TO-18	300	45	45	5	40/120	1.0	10/0.5	–	8	30	–	–	–	–	4	15.7 kHz
2N929A	NPN	TO-18	500	60	45	6	40/120	0.5	10/0.5	–	6	45	–	–	–	–	4	15.7 kHz
2N930	NPN	TO-18	300	45	45	5	100/300	1.0	10/0.5	–	8	30	–	–	–	–	3	15.7 kHz
2N930A	NPN	TO-18	500	60	45	6	100/300	0.5	10/0.5	–	6	45	–	–	–	–	4	(1.0 kHz
2N930B	NPN	TO-18	500	60	45	6	100/300	0.5	10/0.5	–	6	45	–	–	–	–	3	15.7 kHz
2N956	NPN	TO-18	500	75	50°	7	100/300	1.5	150/15	–	25	70	–	–	–	–	–	–
2N957	NPN	TO-18	250	40	20	5	45/–	–	–	–	6.0	200	–		10†	100	7 5	200
2N1131	PNP	TO-5	600	50	35	5	20/45	1.5	150/15	–	45	50	–			–	–	–
2N1132	PNP	TO-5	600	50	35	5	30/90	1.5	150/15	–	45	50	–			–	–	–
2N1420	NPN	TO-5	600	60	30°	5	100/300	1.5	150/15	–	35	50	–			–	–	–
2N1507	NPN	TO-5	600	60	30°	5	100/300	1.5	150/15	–	35	50	–			–	–	–

Datasheet.Support





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metal can transistors cont'd

silicon small signal transistors

Device	Type	Package	Maximum Ratings				Electrical Characteristics @ 25 C											
			P_D Ambient mW	V_{CB} Volts	V_{CE} Volts	V_{EB} Volts	h_{FE} Min/Max	V_{CE} (Sat) @ I_C/I_B Volts	mA/mA	C_{cb} pF Max	C_{ob} pF Max	f_t MHz Min	t_{ON} ns Max	t_{OFF} ns Max	Power Gain @ f dB Min	MHz	NF @ f dB Max	MHz
2N1613	NPN	TO-5	800	75	50*	7	40/120	1.5	150/15	–	25	60	–	–	–	–	–	–
2N1613A	NPN	TO-5	1000	75	50*	7	40/120	1	150/15	–	25	60	–	–	–	–	–	–
2N1613B	NPN	TO-5	1000	120	50	7	40/120	0.2	150/15	–	10	60	–	–	–	–	–	–
2N1711	NPN	TO-5	800	75	50*	7	100/300	1.5	150/15	–	25	70	–	–	–	–	–	–
2N1711A	NPN	TO-5	1000	75	50*	7	100/300	1	150/15	–	25	70	–	–	–	–	–	–
2N1711B	NPN	TO-5	1000	120	50	7	100/300	0.2	150/15	–	10	70	–	–	–	–	–	–
2N1889	NPN	TO-5	800	100	60	7	40/120	5	150/15	–	15	50	–	–	–	–	–	–
2N1890	NPN	TO-5	800	100	60	7	100/300	5	150/15	–	15	60	–	–	–	–	–	–
2N1893	NPN	TO-5	800	120	80	7	40/120	5	150/15	–	15	50	–	–	–	–	–	–
2N1893A	NPN	TO-5	800	140	80	7	40/120	2	150/15	–	8	100	–	–	–	–	–	–
2N1990	NPN	TO-5	600	100		3	20/–	0.5	2/0.2	–	20	40	–	–	–	–	–	–
2N2102	NPN	TO-5	1000	120	65	7	40/120	0.5	150/15	–	15	60	–	–	–	–	–	–
2N2102A	NPN	TO-5	1000	120	65	7	40/120	0.3	150/15	–	15	60	–	–	–	–	–	–
2N2192	NPN	TO-5	800	60	40	5	100/300	0.35	150/15	–	20	50	–	–	–	–	–	–
2N2192A	NPN	TO-5	800	60	40	5	100/300	0.25	150/15	–	20	50	–	–	–	–	–	–
2N2192B	NPN	TO-5	800	60	40	5	100/300	0.18	150/15	–	20	50	–	–	–	–	–	–
2N2193	NPN	TO-5	800	80	50	8	40/120	0.35	150/15	–	20	50	–	–		–	–	–
2N2193A	NPN	TO-5	800	80	50	8	40/120	0.25	150/15	–	20	50	–	–	–	–	–	–
2N2193B	NPN	TO 5	800	80	50	8	40/120	0.18	150/15	–	20	50	–	–	–	–	–	–
2N2194	NPN	TO 5	800	60	40	5	20/60	0.35	150/15	–	20	50	–	–	–	–	–	–
2N2194A	NPN	TO-5	800	60	40	5	20/60	0.25	150/15	–	20	50	–	–	–	–	–	–
2N2194B	NPN	TO-5	800	60	40	5	20/60	0.18	150/15	–	20	50	–	–	–	–	–	–
2N2195	NPN	TO-5	800	45	25	5	20/–	0.35	150/15	–	20	50	–	–	–	–	–	–
2N2195A	NPN	TO-5	800	45	25	5	20/–	0.25	150/15	–	20	50	–	–	–	–	–	–
2N2195B	NPN	TO-5	800	45	25	5	20/–	0.18	150/15	–	20	50	–	–	–	–	–	–
2N2205	NPN	TO-18	300	25	12	3	20/–	0.35	50/5	–	6	200	40	75	–	–	–	–
2N2217	NPN	TO 5	800	60	30	5	20/60	0.4	150/15	–	8	250	35†	285†	–	–	–	–
2N2218	NPN	TO-5	800	60	30	5	40/120	1.6	500/50	–	8	250	35†	285†	–	–	–	–
2N2218A	NPN	TO 5	800	75	40	6	40/120	1.6	500/50	–	8	250	35	285	–	–	–	–
2N2219	NPN	TO 5	800	60	30	5	100/300	1.6	500/50	–	8	250	35†	285†		–	–	–
2N2219A	NPN	TO 5	800	75	40	6	100/300	1.6	500/50	–	8	300	35	285	–	–	–	–
2N2220	NPN	TO 18	500	60	30	5	20/60	0.4	150/15	–	8	250	35†	285†	–	–	–	–
2N2221	NPN	TO 18	500	60	30	5	40/120	1.6	500/50	–	8	250	35†	285†	–	–	–	–
2N2221A	NPN	TO 18	500	75	40	6	40/120	1.6	500/50	–	8	250	35	285		–	–	–
2N2222	NPN	TO 18	500	60	30	5	100/300	1.6	500/50	–	8	250	35†	285†	–	–	–	–
2N2222A	NPN	TO 18	500	75	40	6	100/300	1.6	500/50	–	8	300	35	285	–	–	–	–
2N2236	NPN	TO 5	600	40	20	6	15/60	0.25	100/20	–	35	50†	30	600	–	–	–	–
2N2237	NPN	TO 5	600	40	20	6	40/125	0.25	100/20	–	35	50	25	600	–	–	–	–
2N2243	NPN	TO 5	800	120	80	7	40/120	0.35	150/15	–	15	50	–	–	–	–	–	–
2N2243A	NPN	TO 5	800	120	80	7	40/120	0.25	150/15	–	15	50	–	–	–	–	–	–
2N2270	NPN	TO 5	1000	60	45	7	50/200	0.9	150/15	–	15	100	–	–	–	–	–	–
2N2297	NPN	TO 5	800	80	35	7	40/120	0.2	150/15	–	12	60	–	–	–	–	–	–
2N2303	PNP	TO 5	600	50	35	5	75/200	1.5	150/15	–	45	50	–	–	–	–	–	–
2N2309	NPN	TO 5	600	30	30	5	25/125	–	–	–	25	40†	–	–	–	–	–	–
2N2310	NPN	TO 46	350	60	60	8	12/36	5	200/40	–	20†	40†	–	–	–	–	–	–
2N2311	NPN	TO-46	350	100	100	8	12/36	5	200/40	–	20†	40†	–	–	–	–	–	–
2N2312	NPN	TO 46	350	60	60	8	30/90	5	200/40	–	20†	40†	–	–	–	–	–	–
2N2313	NPN	TO-46	350	100	100	8	30/90	5	200/40	–	20†	40†	–	–	–	–	–	–
2N2314	NPN	TO 46	350	60	40*	5	20/60	5	150/15	–	35	40	–	–	–	–	–	–
2N2315	NPN	TO-46	350	60	40*	5	40/120	1.5	150/15	–	35	50	–	–	–	–	–	–
2N2316	NPN	TO-46	350	120	80*	5	40/120	5.0	150/15		20	50	–	–	–	–	–	–
2N2317	NPN	TO-46	350	75	50*	7	40/120	1.5	150/15		25	60	–	–	–	–	–	–
2N2350	NPN	TO-46	400	60	40	5	100/300	0.35	150/15		20	50	–	–	–	–	–	–
2N2350A	NPN	TO 46	400	60	40	5	100/300	0.25	150/15		20	50	–	–	–	–	–	–
2N2351	NPN	TO 46	400	80	50	8	40/120	0.35	150/15		20	50	–	–	–	–	–	–

semitron SEMICONDUCTORS

Semitronics Corp.

discrete devices

metal can transistors cont'd

silicon small signal transistors

Device	Type	Package	Maximum Ratings				Electrical Characteristics @ 25 C											
			P_D Ambient mW	V_{CB} Volts	V_{CE} Volts	V_{EB} Volts	h_{FE} Min/Max	V_{CE} (Sat) @ I_C/I_B Volts	mA/mA	C_{cb} pF Max	C_{ob} pF Max	f_t MHz Min	t_{ON} ns Max	t_{OFF} ns Max	Power Gain @ f dB Min	MHz	NF @ f dB Max	MHz
2N2351A	NPN	TO 46	400	80	50	8	40/120	0.25	150/15		20	50	–	–	–	–	–	–
2N2352	NPN	TO-46	400	60	40	5	20/60	0.35	150/15	-	20	50	–	–	–	–	–	–
2N2352A	NPN	TO-46	400	60	40	5	20/60	0.25	150/15	-	20	50	–	-	–	–	–	–
2N2353	NPN	TO-46	350	45	25	5	20/–	0.35	150/15	-	20	50	–	–	–	–	–	–
2N2353A	NPN	TO-46	350	45	25	5	20/–	0.25	150/15	-	20	50	–	–	–	–	–	–
2N2364	NPN	TO-46	400	120	80	7	40/120	0.35	150/15		15	50	–	–	–	–	–	–
2N2364A	NPN	TO-46	400	120	80	7	40/120	0.25	150/15	-	15	50	–	–	–	–	–	–
2N2368	NPN	TO-18	360	40	15	4.5	20/60	0.6	100/10	-	4	400	12	15	–	–	–	–
2N2369	NPN	TO-18	360	40	15	4.5	40/120	0.6	100/10	–	4	500	12	18	–	–	–	–
2N2369A	NPN	TO-18	360	40	15	4.5	40/120	0.5	100/10	–	4	500	12	18	–	–	–	–
2N2380	NPN	TO-5	600	80	40	5	20/120	1.3	150/15	–	14	100	125	195	–	–	–	–
2N2380A	NPN	TO-5	600	80	40	5	20/120	1.3	150/15	–	14	100	125	195	–	–	–	–
2N2405	NPN	TO-5	1000	120	90	7	60/200	0.5	150/15	–	15	401	–	–	–	–	–	–
2N2479	NPN	TO-5	600	80	40	5	30/120	0.85	150/15	–	14	150	1001	185	–	–	–	–
2N2481	NPN	TO-18	360	40	15	5	40/120	0.4	100/10	–	5	300	40	55	–	–	–	–
2N2483	NPN	TO-18	360	60	60	6	40/120	0.35	1/0.1	–	6	60	–	–	–	–	4	15.7 kHz
2N2484	NPN	TO-18	360	60	60	6	100/300	0.35	1/0.1	–	6	60	–	–	–	–	3	15.7 kHz
2N2484A	NPN	TO-18	360	60	60	6	100/500	0.35	1/0.1	–	6	60	–	-	–	–	2	10.0 kHz
2N2509	NPN	TO-18	360	125	80	7	25/–	1.0	5/0.5	–	6	45	–	–	–	–	7	1.0 kHz
2N2510	NPN	TO-18	360	100	65	7	150/500	1.0	5/0.5	–	6	45	–	–	–	–	4	1.0 kHz
2N2511	NPN	TO-18	360	80	50	7	240/750	1.0	5/0.5	–	6	45	–	–	–	–	4	1.0 kHz
2N2586	NPN	TO-18	300	60	45	6	120/360	0.5	5/0.5	–	7	45	–	–	–	–	2	1.0 kHz
2N2604	PNP	TO-46	400	60	45	6	40/120	0.5	10/0.5	–	6	30	–	–	–	–	4	15.7 kHz
2N2605	PNP	TO-46	400	60	45	6	100/300	0.5	10/0.5	–	6	30	–	–	–	–	4	15.7 kHz
2N2645	NPN	TO-5	1000	120	90	7	60/200	0.5	150/15	–	15	40	–	–	–	–	–	–
2N2695	PNP	TO-46	360	25	25	4	30/130	1.0	300/30	–	20	100	75	170	–	–	–	–
2N2696	PNP	TO-18	360	25	25	4	30/130	1.0	300/30	–	20	100	75	170	–	–	–	–
2N2708	NPN	TO-72	200	35	20	3	30/200	–	–	–	1	700	–	–	15	200	7.5	200
2N2800	PNP	TO-5	800	50	35	5	30/90	1.2	500/50	–	25	120	70	270	–	–	–	–
2N2801	PNP	TO-5	800	50	35	5	75/225	1.2	500/50	–	25	120	70	270	–	–	–	–
2N2837	PNP	TO-18	500	50	35	5	30/90	1 2	500/50	–	25	120	70	270	–	–	–	–
2N2838	PNP	TO-18	500	50	35	5	75/225	1 2	500/50	–	25	120	70	270	–	–	–	–
2N2861	PNP	TO-18	300	25	20	5	30/120	0.2	10/1	–	6	200	–	–	–	–	3	10
2N2862	PNP	TO-18	300	25	20	5	12/120	0.2	10/1	–	6	150	–	–	–	–	4	10
2N2865	NPN	TO-72	200	25	13	3	20/200	–	–	–	2.5	600	–	–	16.5	200	4.5	200
2N2868	NPN	TO-5	800	60	40	7	40/120	0.25	150/15	–	20	50	–	–	–	–	–	–
2N2894	PNP	TO-18	1200	12	12	4	40/150	0.15	10/1	–	–	–	60	90	–	–	–	–
2N2895	NPN	TO-18	500	120	65	7	40/120	0.5	500/50	–	15	120	–	–	–	–	–	–
2N2896	NPN	TO-18	500	140	90	7	60/200	0.5	500/50	–	15	120	–	–	–	–	–	–
2N2897	NPN	TO-18	500	60	45	7	50/200	0.5	500/50	–	15	100	–	–	–	–	–	–
2N2898	NPN	TO-46	500	120	65	7	40/120	0.5	500/50	–	15	120	–	–	–	–	–	–
2N2899	NPN	TO-46	500	140	90	7	60/200	0.5	500/50	–	15	120	–	–	–	–	–	–
2N2900	NPN	TO-46	500	60	45	7	50/200	0.5	500/50	–	15	100	–	–	–	–	–	–
2N2904	PNP	TO-5	600	60	40	5	40/120	1.6	500/50	–	8	200	45	100	–	–	–	–
2N2904A	PNP	TO-5	600	60	60	5	40/120	1.6	500/90	–	8	200	45	100	–	–	–	–
2N2905	PNP	TO-5	600	60	40	5	100/300	1.6	500/50	–	8	200	45	100	–	–	–	–
2N2905A	PNP	TO-5	600	60	60	5	100/300	1.6	500/50	–	8	200	45	100	–	–	–	–
2N2906	PNP	TO-18	400	60	40	5	40/120	1.6	500/50	–	8	200	45	100	–	–	–	–
2N2906A	PNP	TO-18	400	60	60	5	40/120	1.6	500/50	–	8	200	45	100	–	–	–	–
2N2907	PNP	TO-18	400	60	40	5	100/300	1.6	500/50	–	8	200	45	100	–	–	–	–
2N2907A	PNP	TO-18	400	60	60	5	100/300	1.6	500/50	–	8	200	45	100	–	–	–	–
2N2958	NPN	TO-18	600	60	20	5	40/120	0.5	150/15	–	8	250	95	500	–	–	–	–
2N2959	NPN	TO-5	600	60	20	5	100/300	0.5	150/15	–	8	250	95	500	–	–	–	–
2N2960	NPN	TO-5	600	60	30	5	100/300	0.5	150/50	–	8	250	95	500	–	–	–	–
2N2961	NPN	TO-5	600	60	30	5	100/300	2.0	500/50	–	8	250	95	500	–	–	–	–
2N3010	NPN	TO-18	300	15	6	4	25/125	0.38	30/3	–	3	600	12	12	–	–	–	–
2N3011	NPN	TO-18	360	30	12	5	30/120	0.5	100/10	–	4	400	15	20	–	–	–	–
2N3012	PNP	TO-18	360	12	12	4	20/–	0.15	10/1	–	6	–	60	75	–	–	–	–
2N3019	NPN	TO-5	800	140	80	7	100/300	0.2	150/15	–	12	100	–	–	–	–	–	–
2N3020	NPN	TO-5	800	140	80	7	40/120	0.2	150/15	–	12	100	–	–	–	–	–	–
2N3036	NPN	TO-5	800	120	80	7	50/150	0.25	150/15	–	15	50	–	–	–	–	–	–

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silicon small signal transistors

Device	Type	Package	Maximum Ratings				Electrical Characteristics @ 25 C											
			P_D Ambient mW	V_{CB} Volts	V_{CE} Volts	V_{EB} Volts	h_{FE} Min/Max	V_{CE} (Sat) @ I_C/I_B Volts	mA/mA	C_{cb} pF Max	C_{ob} pF Max	f_t MHz Min	t_{ON} ns Max	t_{OFF} ns Max	Power Gain @ f dB Min	MHz	NF @ f dB Max	MHz
2N3056	NPN	TO-46	400	100	60	7	40/120	0.25	150/15	–	12	80	–	–	–	–	–	–
2N3056A	NPN	TO-46	400	140	80	7	40/120	0.2	150/15	–	12	80	–	–	–	–	–	–
2N3057	NPN	TO-46	400	100	60	7	100/300	0.25	150/15	–	12	100	–	–	–	–	–	–
2N3057A	NPN	TO-46	400	140	80	7	100/300	0.2	150/15	–	12	100	–	–	–	–	–	–
2N3072	PNP	TO-5	800	60	60	4	30/130	1.0	300/30	–	10	130	40	100	–	–	–	–
2N3073	PNP	TO-18	360	60	60	4	30/130	1.0	300/30	–	10	130	40	100	–	–	–	–
2N3081	PNP	TO-5	600	70	60	6	30/90	1.4	500/50	–	13	150	60	175	–	–	–	–
2N3107	NPN	TO-46	800	100	60	7	100/300	0.25	150/15	–	20	70	–	–	–	–	–	–
2N3108	NPN	TO-5	800	100	60	7	40/120	0.25	150/15	–	20	60	–	–	–	–	–	–
2N3109	NPN	TO-5	800	80	40	7	100/300	0.25	150/15	–	25	70	–	–	–	–	–	–
2N3110	NPN	TO-5	800	100	40	7	40/120	0.25	150/15	–	25	60	–	–	–	–	–	–
2N3115	NPN	TO-18	400	60	20	5	40/120	0.5	150/15	–	8	250	95	500	–	–	–	–
2N3116	NPN	TO-18	400	60	20	5	100/300	0.5	150/15	–	8	250	95	500	–	–	–	–
2N3117	NPN	TO-18	360	60	60	6	250/500	0.35	1/0.1	–	4.5	60	–	–	–	–	1	10
2N3120	PNP	TO-5	800	45	45	4	30/130	1.0	500/50	–	10	130	40	100	–	–	–	–
2N3121	PNP	TO-18	360	45	45	4	30/130	1.0	500/50	–	10	130	40	100	–	–	–	–
2N3122	NPN	TO-5	800	50	30	5	25/100	1.5	300/30	–	25	60	–	–	–	–	–	–
2N3133	PNP	TO-5	600	50	35	4	40/120	0.6	150/15	–	10	200	75	150	–	–	–	–
2N3134	PNP	TO-5	600	50	35	4	100/300	0.6	150/15	–	10	200	75	150	–	–	–	–
2N3135	PNP	TO-18	400	50	35	4	40/120	0.6	150/15	–	10	200	75	150	–	–	–	–
2N3136	PNP	TO-18	400	50	35	4	100/100	0.6	150/15	–	10	200	75	150	–	–	–	–
2N3137	NPN	TO-5	800	40	20	4	20/120	0.3	50/5	–	3.5	–	–	–	6	250	–	–
2N3209	PNP	TO-18	360	20	20	4	30/120	0.15	10/1	–	5	400	60	90	–	–	–	–
2N3210	NPN	TO-18	360	40	15	5	30/120	0.5	100/10	–	4	400	15	20	–	–	–	–
2N3227	NPN	TO-18	360	40	20	6	30/120	0.75	200/20	–	6	300	40	40	–	–	–	–
2N3250	PNP	TO-18	360	50	40	5	50/150	0.5	50/5	–	6	250	70	225	–	–	–	–
2N3250A	PNP	TO-18	360	60	60	5	50/150	0.5	50/5	–	6	250	70	225	–	–	–	–
2N3251	PNP	TO-18	360	50	40	5	100/300	0.5	50/5	–	6	300	70	250	–	–	–	–
2N3251A	PNP	TO-18	360	60	60	5	100/300	0.5	50/5	–	6	300	70	250	–	–	–	–
2N3299	NPN	TO-5	800	60	30	5	40/120	0.6	500/50	–	8	250	60	150	–	–	–	–
2N3300	NPN	TO-5	800	60	30	5	100/300	0.6	500/50	–	8	250	60	150	–	–	–	–
2N3301	NPN	TO-18	360	60	30	5	40/120	0.6	500/50	–	8	250	60	150	–	–	–	–
2N3302	NPN	TO-18	360	60	30	5	100/300	0.6	500/50	–	8	250	60	150	–	–	–	–
2N3304	PNP	TO-18	300	6	6	4	12/–	0.5	50/5	–	3.5	500	60	60	–	–	–	–
2N3326	NPN	TO-5	800	60	45	5	40/120	1.6	500/50	–	8	250	45	340	–	–	–	–
2N3388	NPN	TO-5	600	125	100	6	60/–	1.0	2.5/.05	–	35	36	–	–	–	–	–	–
2N3485	PNP	TO-46	360	60	40	5	40/120	1.6	500/50	–	8	200	50	110	–	–	–	–
2N3485A	PNP	TO-46	360	60	60	5	40/120	1.6	500/50	–	8	200	50	110	–	–	–	–
2N3486	PNP	TO-46	360	60	40	5	100/300	1.6	500/50	–	8	200	50	110	–	–	–	–
2N3486A	PNP	TO-46	360	60	60	5	100/300	1.6	500/50	–	8	200	50	110	–	–	–	–
2N3502	PNP	TO-5	700	45	45	5	100/300	1.6	500/50	–	8	200	40	100	–	–	–	–
2N3503	PNP	TO-5	700	60	60	5	100/300	1.6	500/50	–	8	200	40	100	–	–	–	–
2N3504	PNP	TO-18	400	45	45	5	100/300	1.6	500/50	–	8	200	40	100	–	–	–	–
2N3505	PNP	TO-18	400	60	60	5	100/300	1.6	500/50	–	8	200	40	100	–	–	–	–
2N3671	PNP	TO-5	600	60	50	5	75/225	1.6	500/50	–	9	200	50	110	–	–	–	–
2N3672	PNP	TO-18	400	60	50	5	75/225	1.6	500/50	–	9	200	50	110	–	–	–	–
2N3673	PNP	TO-46	350	60	50	5	75/225	1.6	500/50	–	9	200	50	110	–	–	–	–
2N3700	NPN	TO-18	500	140	80	7	100/300	0.2	150/15	–	12	100	–	–	–	–	–	–
2N3701	NPN	TO-18	500	140	80	7	40/120	0.2	150/15	–	12	80	–	–	–	–	–	–
2N3725	NPN	TO-5	1000	80	50	6	60/150	0.95	1000/100	–	10	300	35	60	–	–	–	–
2N3725A	NPN	TO-5	1000	80	50	6	60/150	0.95	1000/100	–	10	300	35	60	–	–	–	–
2N3947	NPN	TO-18	1200	60	40	6	100/300	0.2	10/1	–	4	300	–	–	–	–	5	15.7 kHz
2N4060	PNP	TO-72	200	20	15	3	20/–	–	–	–	1.7	1000	–	–	15	200	6	200
2N4137	NPN	TO-18	360	40	10	4.5	40/120	0.5	100/10	–	5	500	12	12	–	–	–	–
2N4207	PNP	TO-18	350	6	6	4.5	50/120	0.15	10/1	–	3	–	15	15	–	–	–	–
2N4208	PNP	TO-18	350	12	12	4.5	30/120	0.15	10/1	–	3	–	15	20	–	–	–	–
2N4209	PNP	TO-18	350	15	15	4.5	50/120	0.18	10/1	–	3	–	15	20	–	–	–	–
2N4872	PNP	TO-18	300	12	12	4.5	50/120	0.15	10/1	–	3	–	15	20	–	–	–	–
2N5056	PNP	TO-18	360	15	15	4.5	20/–	0.13	10/1	4.5	–	–	20	35	–	–	–	–
2N5057	PNP	TO-18	360	15	15	4.5	30/–	0.13	10/1	4.5	–	–	20	35	–	–	–	–