



TOLL FREE NUMBER 800-777-3960

thyristors and triggers

silicon controlled rectifiers

Type (*Note 1)	Forward Current I _F (Amps)	Max. Forward Max. Reverse Voltages V _{FM} /V _{RM} (volts) (Note 2)	Maximum Junction Temperature T _J (°C)	Max. DC Gate Trigger Current I _{GT} (mA)	DC Gate Trigger Voltage V _{GT} (volts)	Case Style
2N681	25	25	125	40	2.0	TO-48
2N682	25	50	125	40	2.0	TO-48
2N683	25	100	125	40	2.0	TO-48
2N684	25	150	125	40	2.0	TO-48
2N685	25	200	125	40	2.0	TO-48
2N686	25	250	125	40	2.0	TO-48
2N687	25	300	125	40	2.0	TO-48
2N688	25	400	125	40	2.0	TO-48
2N689	25	500	125	40	2.0	TO-48
2N690	25	600	125	40	2.0	TO-48
2N764*	0.20	30	125	1.0	1.0	TO-18
2N765*	0.20	60	125	1.0	1.0	TO-18
2N766*	0.20	100	125	1.0	1.0	TO-18
2N767*	0.20	200	125	1.0	1.0	TO-18
2N876	0.35	15	150	0.2	0.8	TO-18
2N877	0.35	30	150	0.2	0.8	TO-18
2N878	0.35	60	150	0.2	0.8	TO-18
2N879	0.35	100	150	0.2	0.8	TO-18
2N880	0.35	150	150	0.2	0.8	TO-18
2N881	0.35	200	150	0.2	0.8	TO-18
2N882	0.35	300	150	0.2	0.8	TO-18
2N883	0.35	400	150	0.2	0.8	TO-18
2N884	0.35	15	150	0.02	0.6	TO-18
2N885	0.35	30	150	0.02	0.6	TO-18
2N886	0.35	60	150	0.02	0.6	TO-18
2N887	0.35	100	150	0.02	0.6	TO-18
2N888	0.35	150	150	0.02	0.6	TO-18
2N889	0.35	200	150	0.02	0.6	TO-18
2N892*	0.250	15	125	0.05	0.70	TO-18
2N893*	0.250	15	125	0.05	0.70	TO-18
2N899*	0.250	100/15	125	0.05	0.70	TO-18
2N900	0.250	200/15	125	0.05	0.70	TO-18
2N948	0.26	30	150	0.02	1.0	TO-18
2N949	0.26	60	150	0.02	1.0	TO-18
2N950	0.26	100	150	0.02	1.0	TO-18
2N951	0.26	200	150	0.02	1.0	TO-18
2N1595	1.6	50	125	10	3.0	TO-5
2N1596	1.6	100	125	10	3.0	TO-5
2N1597	1.6	200	125	10	3.0	TO-5
2N1598	1.6	300	125	10	3.0	TO-5
2N1599	1.6	400	125	10	3.0	TO-5
2N1600	4.0	50	125	10	3.0	TO-64
2N1601	4.0	100	125	10	3.0	TO-64
2N1602	4.0	200	125	10	3.0	TO-64
2N1603	4.0	300	125	10	3.0	TO-64
2N1604	4.0	400	125	10	3.0	TO-64
2N1686*	0.5	30	125	1.0	1.0	TO-5
2N1687*	0.5	60	125	1.0	1.0	TO-5
2N1688*	0.5	100	125	1.0	1.0	TO-5
2N1689*	0.5	200	125	1.0	1.0	TO-5
2N1770	4.7	25	125	15	2.0	TO-64
2N1770A	4.7	25	150	15	2.0	TO-64
2N1771	4.7	50	125	15	2.0	TO-64
2N1771A	4.7	50	150	15	2.0	TO-64
2N1772	4.7	100	125	15	2.0	TO-64
2N1772A	4.7	100	150	15	2.0	TO-64
2N1773	4.7	150	125	15	2.0	TO-64
2N1773A	4.7	150	150	15	2.0	TO-64
2N1774	4.7	200	125	15	2.0	TO-64
2N1774A	4.7	200	150	15	2.0	TO-64
2N1775	4.7	250	125	15	2.0	TO-64
2N1775A	4.7	250	150	15	2.0	TO-64
2N1776	4.7	300	125	15	2.0	TO-64
2N1776A	4.7	300	150	15	2.0	TO-64
2N1776B	4.7	300	150	15	2.0	TO-64
2N1777	4.7	400	125	15	2.0	TO-64
2N1777A	7.0	400	150	15	2.0	TO-64
2N1842	16	25	100	80	2.0	TO-48
2N1842A	16	25	125	80	2.0	TO-48
2N1843	16	50	100	80	2.0	TO-48
2N1844	16	100	100	80	2.0	TO-48
2N1845	16	150	100	80	2.0	TO-48
2N1846	16	200	100	80	2.0	TO-48
2N1847	16	250	100	80	2.0	TO-48
2N1848	16	300	100	80	2.0	TO-48

Semitronics Corp.

thyristors and triggers cont'd

silicon controlled rectifiers — (cont'd)

Type (*Note 1)	Forward Current I_T (Amps)	Max. Forward Max. Reverse Voltages V_{FOM}/V_{ROM} (volts) (Note 2)	Maximum Junction Temperature T_J (°C)	Max. DC Gate Trigger Current I_{GT} (mA)	DC Gate Trigger Voltage V_{GT} (volts)	Case Style
2N1848	16	400	100	80	2.0	TO-48
2N1850	16	500	100	80	2.0	TO-48
2N1869	1.25	15	150	0.2	0.8	TO-5
2N1868A	1.25	15	150	0.2	0.8	TO-5
2N1870	1.25	30	150	0.2	0.8	TO-5
2N1870A	1.25	30	150	0.2	0.8	TO-5
2N1871	1.25	60	150	0.2	0.8	TO-5
2N1871A	1.25	60	150	0.2	0.8	TO-5
2N1872	1.25	100	150	0.2	0.8	TO-5
2N1872A	1.25	100	150	0.2	0.8	TO-5
2N1873	1.25	150	150	0.2	0.8	TO-5
2N1874	1.25	200	150	0.2	0.8	TO-5
2N1874A	1.25	200	150	0.2	0.8	TO-5
2N1875	1.25	15	150	0.020	0.6	TO-5
2N1875A	1.25	15	150	0.020	0.6	TO-5
2N1876	1.25	30	150	0.020	0.6	TO-5
2N1876A	1.25	30	150	0.020	0.6	TO-5
2N1877	1.25	60	150	0.020	0.6	TO-5
2N1877A	1.25	60	150	0.020	0.6	TO-5
2N1878	1.25	100	150	0.020	0.6	TO-5
2N1878A	1.25	100	150	0.020	0.6	TO-5
2N1879	1.25	150	150	0.020	0.6	TO-5
2N1879A	1.25	150	150	0.020	0.6	TO-5
2N1880	1.25	200	150	0.020	0.6	TO-5
2N1880A	1.25	200	150	0.020	0.6	TO-5
2N1881	1.0	30	150	2.0	2.0	TO-5
2N1882	1.0	60	150	2.0	2.0	TO-5
2N1883	1.0	100	150	2.0	2.0	TO-5
2N1884	1.0	150	150	2.0	2.0	TO-5
2N1885	1.0	200	150	2.0	2.0	TO-5
2N2009	1.3	25	150	0.2	1.0	TO-5
2N2010	1.3	50	150	0.2	1.0	TO-5
2N2011	1.3	100	150	0.2	1.0	TO-5
2N2012	1.3	200	150	0.2	1.0	TO-5
2N2013	1.3	300	150	0.2	1.0	TO-5
2N2014	1.3	400	150	0.2	1.0	TO-5
2N2322	1.6	25	125	0.2	0.8	TO-5
2N2322A	1.6	25	125	0.02	0.8	TO-5
2N2323	1.6	50	125	0.2	0.8	TO-5
2N2323A	1.6	50	125	0.02	0.8	TO-5
2N2324	1.6	100	125	0.2	0.8	TO-5
2N2324A	1.6	100	125	0.02	0.8	TO-5
2N2325	1.6	150	125	0.2	0.8	TO-5
2N2325A	1.6	150	125	0.02	0.8	TO-5
2N2326	1.6	200	125	0.2	0.8	TO-5
2N2326A	1.6	200	125	0.02	0.8	TO-5
2N2327	1.6	250	125	0.2	0.8	TO-5
2N2327A	1.6	250	125	0.02	0.8	TO-5
2N2328	1.6	300	125	0.2	0.8	TO-5
2N2328A	1.6	300	125	0.02	0.8	TO-5
2N2329	1.6	400	125	0.2	0.8	TO-5
2N2329A	1.6	400	125	0.02	0.6	TO-5
2N2679	0.35	30	150	0.02	0.7	TO-18
2N2679A	0.35	30	150	0.02	0.7	TO-18
2N2680	0.35	60	150	0.02	0.7	TO-18
2N2680A	0.35	60	150	0.02	0.7	TO-18
2N2681	0.35	100	150	0.02	0.7	TO-18
2N2681A	0.35	100	150	0.02	0.70	TO-18
2N2682	0.35	200	150	0.02	0.7	TO-18
2N2682A	0.35	200	150	0.02	0.70	TO-18
2N2683	0.28	30	125	0.02	0.8	TO-18
2N2683A	0.28	30	125	0.02	0.80	TO-18
2N2684	0.28	60	125	0.02	0.8	TO-18
2N2684A	0.28	60	125	0.02	0.80	TO-18
2N2685	0.28	100	125	0.02	0.8	TO-18
2N2685A	0.28	100	125	0.02	0.80	TO-18
2N2686	0.28	200	125	0.02	0.8	TO-18
2N2686A	0.28	200	125	0.02	0.80	TO-18
2N2687	0.28	30	125	0.2	1.0	TO-18
2N2688	0.28	60	125	0.2	1.0	TO-18
2N2689	0.28	100	125	0.2	1.0	TO-18
2N2690	0.28	200	125	0.2	1.0	TO-18
2N3001	0.35	30	150	0.02	0.7	TO-18



Type	Forward Current I _F (Amps)	Max. For. & Max. Rev. Voltages V _{FORM} /V _{ROM} (Volts)	Max. Junction Temperature T _J (°C)	Max. DC Gate Trigger Current I _{GT} (mA)	DC Gate Trigger Voltage V _{GT} (Volts)	Case Style
2N3002	0.35	60	150	0.02	0.7	TO-18
2N3003	0.35	100	150	0.02	0.7	TO-18
2N3004	0.35	200	150	0.02	0.7	TO-18
2N3005	0.35	30	150	0.2	0.8	TO-18
2N3006	0.35	60	150	0.2	0.8	TO-18
2N3007	0.35	100	150	0.2	0.8	TO-18
2N3008	0.35	200	150	0.2	0.8	TO-18
2N3228	3.2	200	100	15	2.0	TO-66
2N3525	3.2	400	100	15	2.0	TO-66
2N3555	1.6	30	150	0.020	0.7	TO-5
2N3556	1.6	60	150	0.020	0.7	TO-5
2N3557	1.6	100	150	0.020	0.7	TO-5
2N3558	1.6	200	150	0.020	0.7	TO-5
2N3559	1.6	30	150	0.20	0.8	TO-5
2N3560	1.6	60	150	0.20	0.8	TO-5
2N3561	1.6	100	150	0.20	0.8	TO-5
2N3562	1.6	200	150	0.20	0.8	TO-5
2N3870	35	100	100	40	1.6	Press-Fit
2N3871	35	200	100	40	1.6	Press-Fit
2N3872	35	400	100	40	1.6	Press-Fit
2N3873	35	600	100	40	1.6	Press-Fit
2N3896	35	100	100	40	1.6	Stud
2N3897	35	200	100	40	1.6	Stud
2N3898	35	300	100	40	1.6	Stud
2N3899	35	400	100	40	1.6	Stud
2N4144	0.250	15	150	1.0	0.8	TO-52
2N4145	0.250	30	150	1.0	0.8	TO-52
2N4146	0.250	60	150	1.0	0.8	TO-52
2N4147	0.250	100	150	1.0	0.8	TO-52
2N4148	0.250	150	150	1.0	0.8	TO-52
2N4149	0.250	200	150	1.0	0.8	TO-52
2N4320	0.250	30	125	0.5	1.0	TO-18
2N4321	0.250	60	125	0.5	1.0	TO-18
2N4322	0.250	100	125	0.5	1.0	TO-18
2N4323	0.250	150	125	0.5	1.0	TO-18
2N4324	0.250	200	125	0.5	1.0	TO-18
2N4325	0.250	250	125	0.5	1.0	TO-18
2N4326	0.390	30	100	0.5	1.0	TO-18
2N4327	0.390	60	100	0.5	1.0	TO-18
2N4328	0.390	100	100	0.5	1.0	TO-18
2N4329	0.390	150	100	0.5	1.0	TO-18
2N4330	0.390	200	100	0.5	1.0	TO-18
2N4331	0.390	250	100	0.5	1.0	TO-18
2N4332	0.390	30	125	0.01	0.8	TO-52
2N4333	0.390	60	125	0.01	0.8	TO-52
2N4334	0.390	100	125	0.01	0.8	TO-52
2N4335	0.390	150	125	0.01	0.8	TO-52
2N4336	0.390	200	125	0.01	0.8	TO-52
2N4337	0.390	250	125	0.01	0.8	TO-52
2N5060	0.8	30	125	0.2	0.8	TO-92
2N5061	0.8	60	125	0.2	0.8	TO-92
2N5062	0.8	100	125	0.2	0.8	TO-92
2N5063	0.8	150	125	0.2	0.8	TO-92
2N5064	0.8	200	125	0.2	0.8	TO-92
2N5164	20	50	100	40	1.5	Press-Fit
2N5165	20	200	100	40	1.5	Press-Fit
2N5166	20	400	100	40	1.5	Press-Fit
2N5167	20	600	100	40	1.5	Press-Fit
2N5168	20	50	100	40	1.5	Stud
2N5169	20	200	100	40	1.5	Stud
2N5170	20	400	100	40	1.5	Stud
2N5171	20	600	100	40	1.5	Stud
2N6167	20	100	100	40	1.5	ISO-Stud
2N6168	20	200	100	40	1.5	ISO-Stud
2N6169	20	400	100	40	1.5	ISO-Stud
2N6170	20	600	100	40	1.5	ISO-Stud
2N6171	35	100	100	40	1.6	ISO-Stud
2N6172	35	200	100	40	1.6	ISO-Stud
2N6173	35	400	100	40	1.6	ISO-Stud
2N6174	35	600	100	40	1.6	ISO-Stud
2N6236	4	30	100	0.2	.8	TO-126
2N6237	4	50	100	0.2	.8	TO-202
2N6238	4	100	100	0.2	.8	TO-202
2N6239	4	200	100	0.2	.8	TO-202
2N6240	4	400	100	0.2	.8	TO-202
2N6241	4	600	100	0.2	.8	TO-202
2N6394	12	50	125	30	1.5	TO-220
2N6395	12	100	125	30	1.5	TO-220
2N6396	12	200	125	30	1.5	TO-220
2N6397	12	400	125	30	1.5	TO-220
2N6398	12	600	125	30	1.5	TO-220
2N6399	12	800	125	30	1.5	TO-220
2N6400	16	50	125	30	1.5	TO-220
2N6401	16	100	125	30	1.5	TO-220
2N6402	16	200	125	30	1.5	TO-220
2N6403	16	400	125	30	1.5	TO-220
2N6404	16	600	125	30	1.5	TO-220
2N6405	16	800	125	30	1.5	TO-220