



semitronics hot line

discrete devices

TOLL FREE NUMBER 800-777-3960

silicon rectifiers

stud mounted silicon power rectifiers
DO-4 case style —

Type	Maximum Peak Reverse Voltage (volts)	Maximum Average Forward Current (Amps) @ Case Temp. (°C)	Maximum Forward Voltage (volts) @ Forward Current (Amps)	Reverse Current (mA) @ Case Temp. (°C)	Notes
1N1203	300	12 @ 150	1.3 @ 12	10 @ 150	3, 5
1N1203A	300	12 @ 150	1.3 @ 12	1.75 @ 150	—
1N1203B	300	12 @ 150	1.1 @ 12	0.9 @ 150	—
1N1204	400	12 @ 150	1.3 @ 12	10 @ 150	2, 5
1N1204A	400	12 @ 150	1.3 @ 12	1.5 @ 150	—
1N1204B	400	12 @ 150	1.1 @ 12	0.9 @ 150	—
1N1205	500	12 @ 150	1.3 @ 12	10 @ 150	3, 5
1N1205A	500	12 @ 150	1.3 @ 12	1.25 @ 150	—
1N1205B	500	12 @ 150	1.1 @ 12	0.9 @ 150	—
1N1206	600	12 @ 150	1.3 @ 12	10 @ 150	3, 5
1N1206A	600	12 @ 150	1.3 @ 12	1 @ 150	—
1N1206B	600	12 @ 150	1.1 @ 12	0.9 @ 150	—
1N1227 (1)	50	1.6 @ 140	1.15 @ 1	0.5 @ 125	5
1N1227A (1)	50	1.6 @ 140	1.15 @ 1	0.5 @ 150	5
1N1228 (1)	100	1.6 @ 140	1.15 @ 1	0.5 @ 125	5
1N1228A (1)	100	1.6 @ 140	1.15 @ 1	0.5 @ 150	5
1N1229 (1)	150	1.6 @ 140	1.15 @ 1	0.5 @ 125	5
1N1229A (1)	150	1.6 @ 140	1.15 @ 1	0.5 @ 150	5
1N1230 (1)	200	1.6 @ 140	1.15 @ 1	0.5 @ 125	5
1N1230A (1)	200	1.6 @ 140	1.15 @ 1	0.5 @ 150	5
1N1231 (1)	300	1.6 @ 140	1.15 @ 1	0.5 @ 125	5
1N1231A (1)	300	1.6 @ 140	1.15 @ 1	0.5 @ 150	5
1N1232 (1)	400	1.6 @ 140	1.15 @ 1	0.5 @ 125	5
1N1232A (1)	400	1.6 @ 140	1.15 @ 1	0.5 @ 150	5
1N1233 (1)	500	1.6 @ 140	1.15 @ 1	0.5 @ 125	5
1N1233A (1)	500	1.6 @ 140	1.15 @ 1	0.5 @ 150	5
1N1234 (1)	600	1.6 @ 140	1.15 @ 1	0.5 @ 125	5
1N1234A (1)	600	1.6 @ 140	1.15 @ 1	0.5 @ 150	5
1N1235 (1)	700	1.6 @ 140	1.15 @ 1	0.5 @ 125	5
1N1235A (1)	800	1.6 @ 140	1.15 @ 1	0.5 @ 125	5
1N1341	50	6 @ 150	1.2 @ 10	10 @ 150	3, 5
1N1341A	50	6 @ 150	1.2 @ 10	3 @ 150	3
1N1341B	50	6 @ 150	1.1 @ 6	45 @ 150	3
1N1342	100	6 @ 150	1.2 @ 10	10 @ 150	3, 5
1N1342A	100	6 @ 150	1.2 @ 10	2.5 @ 150	3
1N1342B	100	6 @ 150	1.1 @ 6	45 @ 150	3
1N1343	150	6 @ 150	1.2 @ 10	10 @ 150	3, 5
1N1343A	150	6 @ 150	1.2 @ 10	2.25 @ 150	3
1N1343B	150	6 @ 150	1.1 @ 6	45 @ 150	3
1N1344	200	6 @ 150	1.2 @ 10	10 @ 150	3, 5
1N1344A	200	6 @ 150	1.2 @ 10	2 @ 150	3
1N1344B	200	6 @ 150	1.1 @ 6	45 @ 150	3
1N1345	300	6 @ 150	1.2 @ 10	10 @ 150	3, 5
1N1345A	300	6 @ 150	1.2 @ 10	1.75 @ 150	3
1N1345B	300	6 @ 150	1.1 @ 6	45 @ 150	3
1N1346	400	6 @ 150	1.2 @ 10	10 @ 150	3, 5
1N1346A	400	6 @ 150	1.2 @ 10	1.5 @ 150	3
1N1346B	400	6 @ 150	1.1 @ 6	45 @ 150	3
1N1347	500	6 @ 150	1.2 @ 10	10 @ 150	3, 5
1N1347A	500	6 @ 150	1.2 @ 10	1.25 @ 150	3
1N1347B	500	6 @ 150	1.1 @ 6	45 @ 150	3
1N1348	600	6 @ 150	1.2 @ 10	10 @ 150	3, 5
1N1348A	600	6 @ 150	1.2 @ 10	1 @ 150	3
1N1348B	600	6 @ 150	1.1 @ 6	45 @ 150	3
1N1537	50	1.6 @ 140	1.5 @ 2.5	0.5 @ 150	3
1N1538	100	1.6 @ 140	1.5 @ 2.5	0.5 @ 150	3
1N1539	150	1.6 @ 140	1.5 @ 2.5	0.5 @ 150	3
1N1540	200	1.6 @ 140	1.5 @ 2.5	0.5 @ 150	3
1N1541	300	1.6 @ 140	1.5 @ 2.5	0.5 @ 150	3
1N1542	400	1.6 @ 140	1.5 @ 2.5	0.5 @ 150	3
1N1543	500	1.6 @ 140	1.5 @ 2.5	0.5 @ 150	3
1N1544	600	1.6 @ 140	1.5 @ 2.5	0.5 @ 150	3
1N1551	100	0.75 @ 100	1.4 @ 0.75	1 @ 100	—
1N1552	200	0.75 @ 100	1.4 @ 0.75	1 @ 100	—
1N1553	300	0.75 @ 100	1.4 @ 0.75	1 @ 100	—
1N1554	400	0.75 @ 100	1.4 @ 0.75	1 @ 100	—
1N1555	500	0.75 @ 100	1.4 @ 0.75	1 @ 100	—
1N1581	50	3 @ 150	1.5 @ 6	0.5 @ 150	3
1N1582	100	3 @ 150	1.5 @ 6	0.5 @ 150	3
1N1583	200	3 @ 150	1.5 @ 6	0.5 @ 150	3
1N1584	300	3 @ 150	1.5 @ 6	0.5 @ 150	3
1N1585	400	3 @ 150	1.5 @ 6	0.5 @ 150	3
1N1586	500	3 @ 150	1.5 @ 6	0.5 @ 150	3
1N1587	600	3 @ 150	1.5 @ 6	0.5 @ 150	3
1N1612	50	5 @ 150	1.5 @ 10	1 @ 150	3

DO-4 case style — (cont'd)

Type	Maximum Peak Reverse Voltage (volts)	Maximum Average Forward Current (Amps) @ Case Temp. (°C)	Maximum Forward Voltage (volts) @ Forward Current (Amps)	Reverse Current (mA) @ Case Temp. (°C)	Notes
1N1612A	50	5 @ 150	1.1 @ 6(7)	0.5 @ 150(8)	—
1N1613	100	5 @ 150	1.5 @ 10	1 @ 150	3
1N1623A	100	5 @ 150	1.1 @ 6(7)	0.5 @ 150(8)	—
1N1614	200	5 @ 150	1.5 @ 10	1 @ 150	3
1N1614A	200	5 @ 150	1.1 @ 6(7)	0.5 @ 150(8)	—
1N1615	400	5 @ 150	1.5 @ 10	1 @ 150	3
1N1615A	400	5 @ 150	1.1 @ 6(7)	0.5 @ 150(8)	—
1N1616	600	5 @ 150	1.5 @ 10	1 @ 150	3
1N1616A	600	5 @ 150	1.1 @ 6(7)	0.5 @ 150(8)	—
1N2026	50	1 @ 150	2 @ 2	0.5 @ 150	3
1N2027	200	1 @ 150	2 @ 2	0.5 @ 150	3
1N2028	300	1 @ 150	2 @ 2	0.5 @ 150	3
1N2029	400	1 @ 150	2 @ 2	0.5 @ 150	3
1N2030	500	1 @ 150	2 @ 2	0.5 @ 150	3
1N2031	600	1 @ 150	2 @ 2	0.5 @ 150	3
1N2216	50	0.4 @ 150	1.2 @ 1.5	0.5 @ 150	—
1N2218	500	0.4 @ 150	1.2 @ 1.5	0.5 @ 150	3, 4
1N2220	600	0.4 @ 150	1.2 @ 1.5	0.5 @ 150	3
1N2222	800	0.3 @ 150	1.2 @ 2	.75 @ 150	—
1N2222A	800	0.3 @ 150	1.2 @ 2	.35 @ 150	—
1N2224	1000	0.3 @ 150	1.2 @ 2	.75 @ 150	—
1N2224A	1000	0.3 @ 150	1.2 @ 2	.35 @ 150	—
1N2226	1200	0.3 @ 150	1.2 @ 2	.75 @ 150	—
1N2226A	1200	0.3 @ 150	1.2 @ 2	.35 @ 150	—
1N2228	50	1 @ 150	0.6 @ 1.5	0.5 @ 150	3, 4
1N2230	200	1 @ 150	0.6 @ 1.5	0.5 @ 150	3, 4
1N2232	300	1 @ 150	0.6 @ 1.5	0.5 @ 150	3, 4
1N2234	400	1 @ 150	0.6 @ 1.5	0.5 @ 150	3, 4
1N2236	600	1 @ 150	0.6 @ 1.5	0.5 @ 150	3, 4
1N2240	800	5 @ 25(7)	0.6 @ 1.5(7)	0.75 @ 150(8)	3
1N2240A	800	5 @ 25(7)	0.6 @ 5 (7)	0.35 @ 150(8)	3
1N2246	50	10 @ 25	0.6 @ 10 (7)	1 @ 150(8)	3
1N2246A	50	10 @ 25	0.6 @ 10 (7)	0.5 @ 150(8)	3
1N2248	100	10 @ 25	0.6 @ 10 (7)	1 @ 150(8)	3
1N2248A	100	10 @ 25	0.6 @ 10 (7)	0.5 @ 150(8)	3
1N2250	200	10 @ 25	0.6 @ 10 (7)	1 @ 150(8)	3
1N2250A	200	10 @ 25	0.6 @ 10 (7)	0.5 @ 150(8)	3
1N2252	300	10 @ 25	0.6 @ 10 (7)	1 @ 150(8)	3
1N2252A	300	10 @ 25	0.6 @ 10 (7)	0.5 @ 150(8)	3
1N2254	400	10 @ 25	0.6 @ 10 (7)	1 @ 150(8)	3
1N2254A	400	10 @ 25	0.6 @ 10 (7)	0.5 @ 150(8)	3
1N2256	500	10 @ 25	0.6 @ 10 (7)	1 @ 150(8)	3
1N2256A	500	10 @ 25	0.6 @ 10 (7)	0.5 @ 150(8)	3
1N2258	600	10 @ 25	0.6 @ 10 (7)	1 @ 150(8)	3
1N2258A	600	10 @ 25	0.6 @ 10 (7)	0.5 @ 150(8)	3
1N2266	50	0.3 @ 150	0.6 @ 1	.35 @ 150	4
1N2268	500	0.3 @ 150	0.6 @ 1	.35 @ 150	4
1N2270	600	0.3 @ 150	0.6 @ 1	.35 @ 150	4
1N2272	50	6 @ 150	1.2 @ 20	1 @ 150	3
1N2273	100	6 @ 150	1.2 @ 20	1 @ 150	3
1N2274	200	6 @ 150	1.2 @ 20	1 @ 150	3
1N2275	300	6 @ 150	1.2 @ 20	1 @ 150	3
1N2276	400	6 @ 150	1.2 @ 20	1 @ 150	3
1N2277	500	6 @ 150	1.2 @ 20	1 @ 150	3
1N2278	600	6 @ 150	1.2 @ 20	1 @ 150	3
1N2279	800	6 @ 150	1.2 @ 20	1 @ 150	—
1N2280	1000	20 @ 25(8)	0.6 @ 20 (7)	1 @ 150(8)	—
1N2281	1200	20 @ 25(8)	0.6 @ 20 (7)	1 @ 150(8)	—
1N2362	1400	1 @ 25	2 @ 1.5(7)	.001 @ 25 (8)	—
1N2362A	1400	5 @ 25(8)	2 @ 8 (7)	.001 @ 25 (8)	—
1N2362B	1400	10 @ 25(10)	2 @ 15 (7)	.001 @ 25 (8)	—
1N2364	1500	1 @ 25(8)	2 @ 1.5(7)	.001 @ 25 (8)	—
1N2364A	1500	5 @ 25(8)	2 @ 8 (7)	.001 @ 25 (8)	—
1N2364B	1500	10 @ 25	2 @ 15 (7)	.001 @ 25 (8)	—
1N2366	1600	1 @ 25(8)	2 @ 1.5(7)	.001 @ 25 (8)	—
1N2366A	1600	5 @ 25(8)	2 @ 8 (7)	.001 @ 25 (8)	—
1N2366B	1600	10 @ 25	2 @ 15 (7)	.001 @ 25 (8)	—
1N2367	1600	1 @ 25(8)	2 @ 1.5(7)	.001 @ 25 (8)	—
1N2368	1800	1 @ 25(8)	2 @ 1.5(7)	.001 @ 25 (8)	—
1N2368A	1800	5 @ 25(8)	2 @ 8 (7)	.001 @ 25 (8)	—
1N2368B	1800	10 @ 25(10)	2 @ 15 (7)	.001 @ 25 (8)	—
1N2491	50	6 @ 150	1.2 @ 12	2 @ 150	3
1N2492	100	6 @ 150	1.2 @ 12	2 @ 150	3
1N2493	200	6 @ 150	1.2 @ 12	2 @ 150	3
1N2494	300	6 @ 150	1.2 @ 12	2 @ 150	3