

Semitronics Corp.

silicon rectifiers cont'd

stud mounted silicon power rectifiers 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
1N2495	400	6 @ 150	1.2 @ 12	2 @ 150	3
1N2496	500	6 @ 150	1.2 @ 12	2 @ 150	3
1N2497	600	6 @ 150	1.2 @ 12	2 @ 150	3
1N2512	100	4 @ 30	1.1 @ 1.5(7)	.002 @ 25 (8)	3
1N2513	200	4 @ 30	1.1 @ 1.5(7)	1 @ 150(8)	3
1N2514	300	4 @ 30	1.1 @ 1.5(7)	1 @ 150(8)	3
1N2515	400	4 @ 30(8)	1.1 @ 1.5(7)	.002 @ 25 (8)	3
1N2518	500	4 @ 30	1.1 @ 1.5(7)	.002 @ 25 (8)	3
1N2517	600	4 @ 30(16)	1.1 @ 1.5(7)	.002 @ 25 (8)	3
1N2784	200	22 @ 40(8)	1.5 @ 25 (9)	.002 @ 25 (8)	3
1N2785	400	22 @ 40(8)	1.5 @ 25 (9)	.002 @ 25 (8)	3
1N3559	100	3.5 @ 85(10)	0.5 @ 2.5(24)	0.4 @ 150(8)	3
1N3570	200	3.5 @ 85(10)	0.5 @ 2.5(24)	0.4 @ 150(8)	3
1N3571	300	3.5 @ 85(10)	0.5 @ 2.5(24)	0.4 @ 150(8)	3
1N3572	400	3.5 @ 85(10)	0.5 @ 2.5(24)	0.4 @ 150(8)	3
1N3573	500	3.5 @ 85(10)	0.5 @ 2.5(24)	0.4 @ 150(8)	3
1N3574	600	3.5 @ 85(10)	0.5 @ 2.5(24)	0.4 @ 150(8)	3
1N3615	50	16 @ 155(10)	—	3 @ 175(10)	3
1N3616	100	16 @ 155(10)	—	2.5 @ 175(10)	3
1N3617	150	16 @ 155(10)	—	2.3 @ 175(10)	3
1N3618	200	16 @ 155(10)	—	2 @ 175(10)	3
1N3619	300	16 @ 155(10)	—	1.8 @ 175(10)	3
1N3620	400	16 @ 155(10)	—	1.5 @ 175(10)	3
1N3621	500	16 @ 155(10)	—	1.3 @ 175(10)	3
1N3622	600	16 @ 155(10)	—	1 @ 175(10)	3
1N3623	800	16 @ 155(10)	—	0.75 @ 175(10)	3
1N3624	1000	16 @ 155(10)	—	0.6 @ 175(10)	3
1N3649	800	3 @ 25 (8)	1.1 @ 3 (7)	0.2 @ 150(8)	—
1N3650	1000	3 @ 25 (8)	1.1 @ 3 (7)	0.2 @ 150(8)	3
1N3919	1000	5 @ 100(8)	2 @ 5 (13)	0.5 @ 100	—
1N3934	1200	10 @ 25 (8)	2 @ 10(7)	.001 @ 25 (8)	—
1N3987	700	6 @ 150	1.5	1 @ 150(8)	3
1N3988	800	6 @ 150	1.5	0.8 @ 150(8)	3
1N3989	900	6 @ 150	1.5	0.7 @ 150(8)	3
1N3990	1000	6 @ 150	1.5	0.6 @ 150(8)	3
1N4012	700	12 @ 150	1.3 @ 12(24)	0.5 @ 150(8)	—
1N4013	800	12 @ 150	1.3 @ 12(24)	0.5 @ 150(8)	—
1N4458	800	5 @ 150(10)	1.5 @ 5 (25)	0.5 @ 150(10)	3
1N4459	1000	5 @ 150(10)	1.5 @ 5 (25)	0.5 @ 150(10)	3
1N4506	200	12 @ 135	1.4 @ 12	2.5 @ 135	—
1N4507	400	12 @ 135	1.4 @ 12	2.5 @ 135	—
1N4508	600	12 @ 135	1.4 @ 12	2.5 @ 135	—
1N4509	800	12 @ 135	1.4 @ 12	2.5 @ 135	—
1N4510	1000	12 @ 135	1.4 @ 12	2.5 @ 135	—
1N4511	1200	12 @ 135	1.4 @ 12	2.5 @ 135	—

DO-5 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
1N248	50	10 @ 150	1.5 @ 25	5 @ 150	3
1N248A, B	50	20 @ 150	1.5 @ 50	5 @ 150	3
1N249	100	10 @ 150	1.5 @ 25	5 @ 150	3
1N249A, B	100	20 @ 150	1.5 @ 50	5 @ 150	3
1N250	200	10 @ 150	1.5 @ 25	5 @ 150	3
1N250A, B	200	20 @ 150	1.5 @ 50	5 @ 150	3
1N1183	50	35 @ 140	1.4 @ 100	10 @ 140	3
1N1184	100	35 @ 140	1.4 @ 100	10 @ 140	3
1N1184A	100	40 @ 150	1.1 @ 100	2.5 @ 150	—
1N1185	150	35 @ 140	1.4 @ 100	10 @ 140	3
1N1185A	150	40 @ 150	1.1 @ 100	2.5 @ 150	—
1N1186	200	35 @ 140	1.4 @ 100	10 @ 140	3
1N1187	300	35 @ 140	1.4 @ 100	10 @ 140	3
1N1187A	300	40 @ 150	1.1 @ 100	2.5 @ 150	—
1N1188	400	35 @ 140	1.4 @ 100	10 @ 140	3

DO-5 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
1N1188A	400	40 @ 150	1.1 @ 100	2.5 @ 150	—
1N1189	500	35 @ 140	1.4 @ 100	10 @ 140	3
1N1189A	500	40 @ 150	1.1 @ 100	2.5 @ 150	—
1N1190	600	35 @ 140	1.4 @ 100	10 @ 140	—
1N1190A	600	40 @ 150	1.1 @ 100	2.5 @ 150	—
1N1191	50	18 @ 140	1.3 @ 50	10 @ 140	3, 5
1N1192	100	18 @ 140	1.3 @ 50	10 @ 140	3, 5
1N1192A	100	22 @ 150	1.2 @ 60	2.5 @ 150	3
1N1193	150	18 @ 140	1.3 @ 50	10 @ 140	3, 5
1N1193A	150	22 @ 150	1.2 @ 60	2.5 @ 150	3
1N1194	200	18 @ 140	1.3 @ 50	10 @ 140	3, 5
1N1194A	200	22 @ 150	1.2 @ 60	2.5 @ 150	3
1N1195	300	18 @ 140	1.3 @ 50	10 @ 140	3, 5
1N1196	400	18 @ 140	1.3 @ 50	10 @ 140	3, 5
1N1196A	400	22 @ 150	1.2 @ 60	2.5 @ 150	3
1N1197	500	18 @ 140	1.3 @ 50	10 @ 140	3, 5
1N1197A	500	22 @ 150	1.2 @ 60	2.5 @ 150	3
1N1198	600	18 @ 140	1.3 @ 50	10 @ 140	3, 5
1N1301	50	37 @ 120	1.5 @ 50(7)	2.0 @ 150	—
1N1302	100	37 @ 120	1.5 @ 50(7)	2.0 @ 150	—
1N1304	200	37 @ 120	1.5 @ 50(7)	2.0 @ 150	—
1N1306	300	37 @ 120	1.5 @ 50(7)	2.0 @ 150	—
1N1434	50	30 @ 25	1.2 @ 60	5 @ 150	3
1N1435	100	30 @ 25	1.2 @ 60	5 @ 150	3
1N1436	200	30 @ 25	1.2 @ 60	5 @ 150	3
1N1437	400	30 @ 25	1.2 @ 60	5 @ 150	3
1N1444	1000	1.6 @ 145	1.15 @ 1	0.5 @ 125	—
1N2021	150	10 @ 150	1.5 @ 25	5 @ 150	3
1N2022	250	10 @ 150	1.5 @ 25	5 @ 150	3
1N2023	300	10 @ 150	1.5 @ 25	5 @ 150	3
1N2024	350	10 @ 150	1.5 @ 25	5 @ 150	3
1N2025	400	10 @ 150	1.5 @ 25	5 @ 150	3
1N2154	50	25 @ 145	0.6 @ 25	5 @ 145	3, 4
1N2155	100	25 @ 145	0.6 @ 25	4.5 @ 145	3, 4
1N2156	200	25 @ 145	0.6 @ 25	4.0 @ 145	3, 4
1N2157	300	25 @ 145	0.6 @ 25	3.5 @ 145	4
1N2158	400	25 @ 145	0.6 @ 25	3.0 @ 145	3, 4
1N2159	600	25 @ 145	0.6 @ 25	2.5 @ 145	3, 4
1N2160	600	25 @ 145	0.6 @ 25	2.0 @ 145	3, 4
1N2282	300	35 @ 25(8)	0.6 @ 35(7)	5 @ 150(8)	—
1N2283	400	35 @ 25(8)	0.6 @ 35(7)	5 @ 150(8)	—
1N2284	500	35 @ 25(8)	0.6 @ 35(7)	5 @ 150(8)	—
1N2285	600	35 @ 25(8)	0.6 @ 35(7)	5 @ 150(8)	—
1N2446	50	20 @ 150	1.1 @ 20	5 @ 150	3
1N2447	100	20 @ 150	1.1 @ 20	5 @ 150	3
1N2448	150	20 @ 150	1.1 @ 20	5 @ 150	3
1N2449	200	20 @ 150	1.1 @ 20	5 @ 150	3
1N2450	250	20 @ 150	1.1 @ 20	5 @ 150	3
1N2451	300	20 @ 150	1.1 @ 20	5 @ 150	3
1N2452	350	20 @ 150	1.1 @ 20	5 @ 150	3
1N2453	400	20 @ 150	1.1 @ 20	5 @ 150	3
1N2454	500	20 @ 150	1.1 @ 20	5 @ 150	3
1N2455	600	20 @ 150	1.1 @ 20	5 @ 150	3
1N2456	700	20 @ 150	1.1 @ 20	5 @ 150	3
1N2457	800	20 @ 150	1.1 @ 20	5 @ 150	3
1N2786	200	10 @	1.2 @ 10	10 @ 150(8)	—
1N2787	400	10 @	1.2 @ 10	10 @ 150(8)	—
1N2788	200	50 @ 40(8)	1.5 @ 100(9)	2.0 @ 150	—
1N2789	400	50 @ 40(8)	1.5 @ 100(9)	2.0 @ 150	—
1N2793	50	5 @ 150	1.25 @ 15	5 @ 150	3
1N2794	100	5 @ 150	1.25 @ 15	5 @ 150	3
1N2795	150	5 @ 150	1.25 @ 15	5 @ 150	3
1N2796	200	5 @ 150	1.25 @ 15	5 @ 150	3
1N2797	250	5 @ 150	1.25 @ 15	5 @ 150	3
1N2798	300	5 @ 150	1.25 @ 15	5 @ 150	3
1N2799	350	5 @ 150	1.25 @ 15	5 @ 150	3
1N2800	400	5 @ 150	1.25 @ 15	5 @ 150	3
1N3208	50	15 @ 150	1.5 @ 40	10 @ 150	3
1N3209	100	15 @ 150	1.5 @ 40	10 @ 150	3

Notes: (3) Reverse polarity (anode to stud) available; add suffix R
 (4) V_F full cycle average (7) At 25°C Ambient (8) Ambient temperature
 (9) At 25°C case (10) Base temperature (13) At 100°C Ambient (16) Case temperature
 (24) At 150°C Ambient •(25) At 150°C Base