

## germanium diodes

T-01-07

Type	Max. Peak Reverse Voltage (volts)	Max. Forward Voltage (volts)	Forward Current (mA)	Reverse Current (μA)	Reverse Voltage (volts)	Power Dissipation (mW)	Case Style
1N34	75	1.0	5	50	10	130	DO-7
1N34A	75	1.0	5	30	10	130	DO-7
1N35*	50	1.0	7.5	10	10	—	DO-7
1N36	36	1.0	4	100	25	130	DO-7
1N38	125	1.0	3	6	3	130	DO-7
1N38A	125	1.0	5	5	3	130	DO-7
1N38B	125	1.0	25	5	3	130	DO-7
1N40	25	1.5	12.7	—	10	—	M-4
1N42	115	1.5	12.8	—	—	—	DO-7
1N44	115	1.0	3	1000	50	130	DO-7
1N45	110	1.0	3	410	50	130	DO-7
1N46	80	1.0	3	1500	50	130	DO-7
1N47	150	1.0	4	500	100	—	DO-7
1N48	85	1.0	5	800	50	130	DO-7
1N49	75	1.0	5	200	20	130	DO-7
1N50	75	1.0	5	80	20	130	DO-7
1N51	50	1.0	2.5	1500	50	130	DO-7
1N52	85	1.0	—	150	50	130	DO-7
1N52A	85	1.0	25	100	50	130	DO-7
1N54	75	1.0	5	10	10	130	DO-7
1N54A	75	1.0	5	7	10	130	DO-7
1N55	150	1.0	5	800	150	—	DO-7
1N55A	170	1.0	4	500	150	—	DO-7
1N55B	180	1.0	5	500	150	—	DO-7
1N56	45	1.0	15	300	30	130	DO-7
1N56A	50	1.0	15	300	30	130	DO-7
1N57	100	1.0	3.6	300	75	130	DO-7
1N57A	80	1.0	—	500	75	130	DO-7
1N58	125	1.0	4	800	100	130	DO-7
1N58A	125	1.0	5	600	100	130	DO-7
1N60	40	1.0	5	200	10	80	DO-7
1N60A	40	1.0	5	60	10	80	DO-7
1N61	140	1.0	5	300	100	80	DO-7
1N62	140	1.0	5	700	100	80	DO-7
1N63	125	1.0	5	50	50	130	DO-7
1N63A	100	1.0	4	50	50	80	DO-7
1N65	80	1.0	2.5	200	50	80	DO-7
1N66	60	1.0	—	50	10	80	DO-7
1N66A	60	1.0	—	50	10	80	DO-7
1N67	90	1.0	—	5	5	80	DO-7
1N67A	100	1.0	5	5	5	80	DO-7
1N68	100	1.0	—	625	100	80	DO-7
1N68A	130	1.0	—	625	100	80	DO-7
1N69	85	1.0	—	50	10	130	DO-7
1N69A	75	1.0	—	30	10	80	DO-7
1N70	125	1.0	5	25	10	130	DO-7
1N70A	125	1.0	5	25	10	130	DO-7
1N71	40	1.0	15	300	30	—	M-46
1N73	70	1.5	15	—	—	—	DO-7
1N74	75	1.5	15	—	—	—	M-4
1N75	125	1.0	5	50	50	130	DO-7
1N81	50	1.0	5	10	10	130	DO-7
1N81A	55	1.0	5	10	10	130	DO-7
1N84	25	1	60	750	15	80	DO-7
1N86	70	1	4	50	10	80	DO-7
1N87	23	.25	.1	30	1.5	80	DO-7
1N87A	23	.25	.1	10	1.5	80	DO-7
1N88	80	1	5	75	100	80	DO-7
1N89	100	1	5	8	5	80	DO-7
1N90	75	1	5	500	50	80	DO-7
1N90MP	60	1	5	500	50	80	DO-7
1N95	75	1	10	500	50	80	DO-7
1N96	75	1	20	500	50	80	DO-7
1N96A	75	1	40	500	50	80	DO-7
1N97	100	1	10	8	5	80	DO-7
1N97A	90	1	20	8	5	80	DO-7
1N98	100	1	20	8	5	80	DO-7
1N98A	100	1	40	8	5	80	DO-7
1N99	100	1	10	5	5	80	DO-7
1N100	100	1	20	5	5	80	DO-7
1N100A	100	1	40	50	50	80	DO-7
1N102	125	1	15	3	25	—	DO-7
1N103	20	1	30	750	15	80	DO-7
1N104	25	1	30	750	15	80	DO-7
1N107	10	1	150	200	10	80	DO-7

Type	Max. Peak Reverse Voltage (volts)	Max. Forward Voltage (volts)	Forward Current (mA)	Reverse Current (μA)	Reverse Voltage (volts)	Power Dissipation (mW)	Case Style
1N108	50	1	50	200	50	80	DO-7
1N111	75	1	5	25(1)	10	80	DO-7
1N112	75	1	5	50(1)	10	80	DO-7
1N113	75	1	5	25(1)	10	80	DO-7
1N114	75	1	5	50(1)	10	80	DO-7
1N115	75	1	5	100(1)	10	80	DO-7
1N116	75	1	5	100	50	80	DO-7
1N117	75	1	10	100	50	80	DO-7
1N117A	70	1	20	100	50	80	DO-7
1N118	75	1	20	100	50	80	DO-7
1N118A	75	1	40	100	50	80	DO-7
1N120	60	1	5	250(1)	10	80	DO-7
1N126	75	1.0	5	50	10	80	DO-7
1N127	125	1.0	3	25	10	80	DO-7
1N127A	125	1.0	3	25	10	80	DO-7
1N128	40	1.0	3	10	10	30	DO-7
1N128A	40	1.0	3	10	10	30	DO-7
1N133	5	0.5	3	300	5	—	DO-7
1N135	75	1.0	5	850	50	80	DO-7
1N139	50	1.0	20	1500	50	130	DO-7
1N140	85	1.0	40	300	50	130	DO-7
1N141	80	1.0	20	50	50	80	DO-7
1N142	115	1.0	5	100	100	130	DO-7
1N143	70	1.0	5	0.02	5	—	DO-7
1N144	40	1.0	100	200	20	130	DO-7
1N145	40	1.0	40	100	10	130	DO-7
1N175	125	1.0	5	50	50	80	DO-7
1N191	75	1.0	5	125(1)	50	80	DO-7
1N192	75	1.0	5	250(1)	50	80	DO-7
1N198	80	1.0	4	10	10	80	DO-7
1N198A	80	1.0	4	50	50	80	DO-7
1N198B	100	1.0	4	50	50	80	DO-7
1N265	80	1.0	4	100	60	50	DO-7
1N266	30	1.0	4	75	30	50	DO-7
1N267	25	1.0	4	12	10	—	DO-7
1N268	40	1.0	6	25	10	—	DO-7
1N270	100	1.0	200	100	50	80	DO-7
1N273	35	1.0	100	20	20	80	DO-7
1N276	75	1.0	40	100	50	80	DO-7
1N277	125	1.0	200	250	50	80	DO-7
1N277M	100	1.0	100	—	—	—	DO-7
1N278	60	1.0	20	125(2)	50	80	DO-7
1N279	35	1.0	100	200	20	80	DO-7
1N281	75	1.0	100	30	10	80	DO-7
1N282	15	1.0	40	—	—	80	DO-7
1N283	25	1.0	200	20	10	80	DO-7
1N287	40	1.0	20	1500	50	80	DO-7
1N288	70	1.0	40	350	50	80	DO-7
1N289	80	1.0	20	50	50	80	DO-7
1N290	100	1.0	5	100	100	80	DO-7
1N291	100	1.0	40	100	100	80	DO-7
1N292	70	1.0	100	200	50	80	DO-7
1N294	60	1.0	5	10	10	80	DO-7
1N295	40	—	—	200	10	80	DO-7
1N295A	40	—	—	200	10	80	DO-7
1N297	80	1.0	3.5	10	5	80	DO-7
1N297A	80	1.0	3.5	10	5	80	DO-7
1N298	70	2.0	30	250	40	80	DO-7
1N298A	70	2.0	30	10	5	80	DO-7
1N304	55	1.5	2	2	10	80	DO-7
1N305	60	0.8	100	2	10	150	DO-7
1N306	15	0.8	100	2	10	150	DO-7
1N307	125	1.0	100	5	10	150	DO-7
1N308	8	1.0	300	500	8	80	DO-7
1N309	30	1.0	100	100	20	80	DO-7
1N310	100	1.0	15	20	20	80	DO-7
1N312	50	1.0	30	50	50	80	DO-7
1N313	100	1.0	20	10	20	80	DO-7
1N314	75	1.0	15	50(3)	10	80	DO-7
1N355	80	1.0	4	5	5	80	DO-7
1N367	15	—	20	—	—	—	M-85
1N417	60	1.0	50	120	60	80	DO-7
1N418	60	1.0	7	120	60	80	DO-7
1N419	80	1.0	125	180	90	80	DO-7
1N447	40	1.0	25	60	30	80	DO-7

Notes: (1) T<sub>A</sub> = +55°C (2) T<sub>A</sub> = +75°C (3) T<sub>A</sub> = +85°C (4) T<sub>A</sub> = +70°C

\* Matched pairs of 1N34's



semitron hot line

discrete devices

T-01-07

TOLL FREE NUMBER 800-777-3960

germanium diodes cont'd

Type	Max. Peak Reverse Voltage (volts)	Max. Forward Voltage (volts)	Forward Current (mA)	Reverse Current (μA)	Reverse Voltage (volts)	Power Dissipation (mW)	Case Style
1N448	100	1.0	25	30	30	80	DO-7
1N449	40	1.0	50	30	30	80	DO-7
1N450	100	1.0	50	50	50	80	DO-7
1N451	175	1.0	50	150	150	80	DO-7
1N452	35	1.0	100	30	30	130	DO-7
1N453	115	1.0	100	30	30	130	DO-7
1N454	60	1.0	200	50	50	130	DO-7
1N455	35	1.0	300	30	30	130	DO-7
1N476	90	1.0	3	180	75	80	DO-7
1N477	90	1.0	3	180	75	80	DO-7
1N478	90	1.0	5	155	75	80	DO-7
1N479	90	1.0	5	155	75	80	DO-7
1N480	60	1.0	5	—	—	—	DO-7
1N490	60	1.0	5	—	—	—	DO-7
1N497	25	1.0	100	20	20	75	DO-7
1N498	45	1.0	100	25	40	75	DO-7
1N499	60	1.0	100	30	50	75	DO-7
1N500	70	1.0	100	40	60	75	DO-7
1N501	90	.8	100	20	80	75	DO-7
1N502	115	.8	100	20	100	75	DO-7
1N527	20	.3	1	50	10	80	DO-7
1N571	15	1.0	200	100(1)	10	80	DO-7
1N616	30	1.0	8	18	1.5	80	DO-7
1N617	90	1.0	3	11	10	80	DO-7
1N618	90	1.0	5	7	10	80	DO-7
1N631	60	3.5	50	—	—	80	DO-7
1N632	60	1.0	7	120	60	80	DO-7
1N633	90	—	—	—	—	80	DO-7
1N634	125	1.0	50	35	30	80	DO-7
1N635	175	1.0	50	175	150	—	DO-7
1N695	25	1.0	100	2	10	80	DO-7
1N695A	25	0.5	10	2	10	80	DO-7
1N698	105	1.0	100	250(4)	75	80	DO-7
1N770	20	0.5	15	15	10	80	DO-7
1N771	90	1.0	100	25	50	80	DO-7
1N771A	90	1.0	200	25	50	80	DO-7
1N771B	90	1.0	400	25	50	80	DO-7
1N772	80	1.0	100	50	50	80	DO-7

Type	Max. Peak Reverse Voltage (volts)	Max. Forward Voltage (volts)	Forward Current (mA)	Reverse Current (μA)	Reverse Voltage (volts)	Power Dissipation (mW)	Case Style
1N772A	80	1.0	200	50	50	80	DO-7
1N773	75	1.0	100	10	10	80	DO-7
1N773A	75	1.0	200	10	10	80	DO-7
1N774	70	1.0	100	15	10	80	DO-7
1N774A	60	1.0	200	15	10	80	DO-7
1N775	70	1.0	100	20	10	80	DO-7
1N776	20	1.0	50	200	10	80	DO-7
1N777	75	1.0	100	125(1)	50	80	DO-7
1N781	40	.45	10	5	10	80	DO-7
1N781A	40	.45	10	5	—	—	DO-7
1N788	60	1.0	100	200(2)	—	—	DO-7
1N805	40	1.0	3	100	10	80	DO-7
1N835	30	1.0	100	200(2)	—	—	DO-7
1N909	60	1.0	100	10	—	—	DO-7
1N910	40	1.0	100	10	—	—	DO-7
1N911	30	1.0	100	10	10	80	DO-7
1N933	100	1.0	4	10	—	—	DO-7
1N949	50	.39	10	10	10	80	DO-7
1N994	6.5	1.0	10	30	6	80	DO-7
1N995	15	1.0	10	10	6	80	DO-7
1N996	20	0.8	40	15	15	80	DO-7
1N1093	15	0.4	5	75(1)	15	—	DO-7
1N3125	55	0.4	5	12(2)	20	—	DO-7
1N3287	15	.26±20%	1	15	2	80	DO-7
1N3287W	6	1.0	100	15	2	—	DO-7
1N3465	60	1.0	200	20	45	—	DO-7
1N3466	40	1.0	200	15	30	80	DO-7
1N3467	18	0.5	20	15	15	80	DO-7
1N3468	18	0.5	20	60	15	80	DO-7
1N3469	35	1.0	600	15	20	80	DO-7
1N3470	35	1.0	600	30	20	80	DO-7
1N3483	8	1.1	250	4	10	100	DO-7
1N3592	25	0.5	10	20	20	80	DO-7
1N3666	80	-.5-1	200	10	20	75	DO-7
1N3789	90	0.5	25	5	5	80	DO-7
1N4523	15	.35	1.0	30	10	—	DO-7
1N4524	10	.35	1.0	12	6	—	DO-7
1N4827	30	1.0	40	15	10	—	DO-7

germanium rectifiers

Type	Maximum Allowable Peak Inverse Voltage (volts)	Maximum DC Output (mA)	Maximum Leakage Current Full Cycle Average (mA)	Maximum Allowable Full Load Voltage Drop Full Cycle Average (volts)	Maximum Allowable One Cycle Surge Current (amps)	Ambient Operating Temperature (°C)	Storage Temperature (°C)
1N91	100	150	1.35	.22	25	-65 to +95°	-65 to +105°
1N92	200	100	0.95	.19	25	-65 to +95°	-65 to +105°
1N93	300	75	0.6	.18	25	-65 to +95°	-65 to +105°