

GERMANIUM DIODES

Case Style — DO-7

TYPE	MAX. PEAK REVERSE VOLTAGE (volts)	MAX. FORWARD VOLTAGE (volts)	FORWARD CURRENT (mA)	REVERSE CURRENT (μA)	REVERSE VOLTAGE (volts)	POWER DISSIPATION (mW)
1N34	75	1.0	5	50	10	130
1N34A	75	1.0	5	30	10	130
1N38	36	1.0	4	100	25	130
1N38	125	1.0	3	6	3	130
1N38A	125	1.0	5	5	3	130
1N38B	125	1.0	25	6	3	130
1N44	115	1.0	3	1000	50	130
1N45	110	1.0	3	410	50	130
1N48	80	1.0	3	1500	50	130
1N48	85	1.0	5	800	50	130
1N49	75	1.0	5	200	20	130
1N50	75	1.0	5	80	20	130
1N51	50	1.0	2.5	1500	50	130
1N52	85	1.0	5	150	50	130
1N52A	85	1.0	25	100	50	130
1N54	75	1.0	5	10	10	130
1N54A	75	1.0	5	7	10	130
1N56	45	1.0	15	300	30	130
1N56A	50	1.0	15	300	30	130
1N57	100	1.0	3.6	300	75	130
1N57A	80	1.0	4	500	75	130
1N58	125	1.0	5	800	100	130
1N58A	125	1.0	5	600	100	130
1N60	40	1.0	5	200	10	80
1N60A	40	1.0	5	60	10	80
1N61	140	1.0	5	300	100	80
1N62	140	1.0	5	700	100	80
1N63	125	1.0	5	50	50	130
1N63A	100	1.0	4	50	50	80
1N65	80	1.0	2.5	200	50	80
1N66	60	1.0	5	50	10	80
1N66A	60	1.0	5	50	10	80
1N67	90	1.0	4	5	5	80
1N67A	100	1.0	5	5	5	80
1N68	100	1.0	3	625	100	80
1N68A	130	1.0	5	625	100	80
1N69	85	1.0	5	50	10	130
1N69A	75	1.0	5	30	10	80
1N70	125	1.0	5	25	10	130
1N70A	125	1.0	3	25	10	130
1N75	125	1.0	5	50	50	130
1N81	50	1.0	5	10	10	130
1N81A	55	1.0	3	10	10	130
1N84	25	1	60	750	15	80
1N86	70	1	4	50	10	80
1N87	23	.25	.1	30	1.5	80
1N87A	23	.25	.1	10	1.5	80
1N88	90	1	5	75	100	80
1N89	100	1	5	8	5	80
1N90	75	1	5	500	50	80
1N95	75	1	10	500	50	80
1N96	75	1	20	500	50	80
1N96A	75	1	40	500	50	80
1N97	100	1	10	8	5	80
1N97A	90	1	20	8	5	80
1N98	100	1	20	8	5	80
1N98A	100	1	40	8	5	80
1N99	100	1	10	5	5	80
1N99A	90	1	20	5	5	80
1N100	100	1	20	5	5	80
1N100A	100	1	40	50	50	80
1N103	20	1	30	750	15	80
1N104	25	1	30	750	15	80
1N107	10	1	150	200	10	80
1N108	50	1	50	200	50	80
1N111	75	1	5	25 (1)	10	80
1N112	75	1	5	50 (1)	10	80
1N113	75	1	5	25 (1)	10	80
1N114	75	1	5	50 (1)	10	80
1N115	75	1	5	100 (1)	10	80
1N116	75	1	5	100	50	80
1N117	75	1	10	100	50	80
1N118	75	1	20	100	50	80
1N118A	75	1	40	100	50	80
1N119	60	1	5	125 (1)	50	80
1N120	60	1	5	250 (1)	50	80
1N126	75	1.0	5	50	10	80
1N127	125	1.0	3	25	10	80
1N127A	125	1.0	3	25	10	80
1N135	75	1.0	5	850	50	80
1N139	50	1.0	20	1500	50	130
1N140	85	1.0	40	300	50	130
1N144	40	1.0	100	200	20	130
1N145	40	1.0	40	100	10	130
1N175	125	1.0	5	50	50	80
1N191	75	1.0	5	125 (1)	50	80
1N192	75	1.0	5	250 (1)	50	80
1N198	80	1.0	4	10	10	80
1N198A	80	1.0	4	50	50	80
1N198B	100	1.0	4	50	50	80
1N270	100	1.0	200	100	50	80
1N273	35	1.0	100	20	20	80
1N276	75	1.0	40	100	50	80
1N277	125	1.0	100	250	50	80
1N278	60	1.0	20	125 (2)	50	80
1N279	35	1.0	100	200	20	80
1N281	75	1.0	100	30	10	80

Notes: (1) $T_A = +55^\circ\text{C}$ (2) $T_A = +75^\circ\text{C}$

GERMANIUM DIODES . . . cont'd

Case Style — DO-7

TYPE	MAX. PEAK REVERSE VOLTAGE (Volts)	MAX. FORWARD VOLTAGE (Volts)	FORWARD CURRENT (mA)	REVERSE CURRENT (μA)	REVERSE VOLTAGE (Volts)	POWER DISSIPATION (mW)
1N282	15	1.0	40	—	—	80
1N283	25	1.0	200	20	10	80
1N287	40	1.0	20	1500	50	80
1N288	70	1.0	40	350	50	80
1N289	80	1.0	20	50	50	80
1N290	100	1.0	5	100	100	80
1N291	100	1.0	40	100	100	80
1N294	60	1.0	5	10	10	80
1N294A	60	1.0	5	10	10	80
1N295	40	—	—	200	10	80
1N297	80	1.0	3.5	10	5	80
1N297A	80	1.0	3.5	10	5	80
1N298	70	2.0	30	250	40	80
1N298A	70	2.0	30	10	5	80
1N304	55	1.5	2	2	10	80
1N305	60	0.8	100	2	10	150
1N306	15	0.8	100	2	10	150
1N307	125	1.0	100	5	10	150
1N308	8	1.0	300	500	8	80
1N309	30	1.0	100	100	20	80
1N310	100	1.0	15	20	20	80
1N312	50	1.0	30	50	50	80
1N313	100	1.0	20	10	20	80
1N314	75	1.0	15	50 (3)	10	80
1N355	80	1.0	4	5	5	80
1N417	60	1.0	50	120	60	80
1N418	60	1.0	7	120	60	80
1N419	80	1.0	125	180	90	80
1N447	40	1.0	25	60	30	80
1N448	100	1.0	25	30	30	80
1N449	40	1.0	50	30	30	80
1N450	100	1.0	50	50	50	80
1N451	175	1.0	50	150	150	80
1N452	35	1.0	100	30	30	130
1N453	115	1.0	100	30	30	130
1N454	60	1.0	200	50	50	130
1N455	35	1.0	300	30	30	130
1N476	90	1.0	3	180	75	80
1N477	90	1.0	3	180	75	80
1N478	90	1.0	5	155	75	80
1N479	90	1.0	5	155	75	80
1N497	25	1.0	100	20	20	75
1N498	45	1.0	100	25	40	75
1N499	60	1.0	100	30	50	75
1N500	70	1.0	100	40	60	75
1N501	90	.8	100	20	80	75
1N502	115	.8	100	20	100	75
1N527	20	.3	1	50	10	80
1N571	15	1.0	200	100 (1)	10	80
1N616	30	1.0	8	18	1.5	80
1N617	90	1.0	3	11	10	80
1N618	90	1.0	5	7	10	80
1N631	60	3.5	50	—	—	80
1N632	60	1.0	7	120	60	80
1N633	90	—	—	—	—	80
TYPE	MAX. PEAK REVERSE VOLTAGE (Volts)	MAX. FORWARD VOLTAGE (Volts)	FORWARD CURRENT (mA)	REVERSE CURRENT (μA)	REVERSE VOLTAGE (Volts)	POWER DISSIPATION (mW)
1N634	125	1.0	50	35	30	80
1N636	50	1.0	2.5	10	10	80
1N695	25	1.0	100	2	10	80
1N695A	25	0.5	10	2	10	80
1N699	105	1.0	100	250 (4)	75	80
1N770	20	0.5	15	15	10	80
1N771	90	1.0	100	25	50	80
1N771A	90	1.0	200	25	50	80
1N771B	90	1.0	400	25	50	80
1N772	80	1.0	100	50	50	80
1N772A	80	1.0	200	50	50	80
1N773	75	1.0	100	10	10	80
1N773A	75	1.0	200	10	10	80
1N774	70	1.0	100	15	10	80
1N774A	60	1.0	200	15	10	80
1N775	70	1.0	100	20	10	80
1N776	20	1.0	50	200	10	80
1N777	75	1.0	100	125 (1)	50	80
1N781	40	.45	10	5	10	80
1N805	40	1.0	3	100	10	80
1N911	30	1.0	100	10	10	80
1N949	50	.39	10	10	10	80
1N994	6.5	1.0	10	30	6	80
1N995	15	1.0	10	10	6	80
1N996	20	0.8	40	15	15	80
1N3287	15	26±20%	1	15	2	80
1N3466	40	1.0	200	15	30	80
1N3467	18	0.5	20	15	15	80
1N3468	18	0.5	20	60	15	80
1N3469	35	0.5	25	15	20	80
1N3470	35	0.5	25	30	20	80
1N3666	80	.5-1	200	10	20	75
S3837G	15	{0.5 1.0 1.0}	{5 100 100}	50	10	80
S3838G	15	{0.5 1.0 1.0}	{5 100 100}	80	10	80
T1/1N139	50	1.0	20	1500	50	130
T2/1N140	85	1.0	40	300	50	130
T6/1N144	40	1.0	100	200	20	130
T7	75	1.0	200	100	50	130
T9	75	1.0	100	2	10	130
T11	40	1.0	100	20	20	130
T12	75	1.0	20	30	10	130
T13	25	1.0	40	2	10	130
T14	25	1.0	40	5	10	130
T15	125	1.0	125	180	90	130
T16	75	1.0	40	100	50	130
T17	125	1.0	5	5	3	130
T18	—	1.0	20	125 (2)	50	130
T20	—	1.0	20	500 (2)	50	130

GERMANIUM DIODES . . . cont'd

Case Style — DO-7

TYPE	MAX. PEAK REVERSE VOLTAGE (volts)	MAX. FORWARD VOLTAGE (volts)	FORWARD CURRENT (mA)	REVERSE CURRENT (μ A)	REVERSE VOLTAGE (volts)	POWER DISSIPATION (mW)
T21	—	1.0	20	50 (2)	20	130
T22	—	1.0	20	20 (2)	10	130
T23	—	1.0	20	200 (1)	50	130
T26	—	—	—	—	—	—
T27	—	—	—	—	—	—
T1G	50	1.0	20	1500	50	80
T2G	75	1.0	40	300	50	80
T3G	75	1.0	20	50	50	80
T4G	125	1.0	5	100	100	80
T5G	125	1.0	40	100	100	80
T6G/1N278	35	1.0	100	200	20	80
T7G/1N270	100	1.0	200	100	50	80
T8G	125	1.0	100	5	10	80
T9G	75	1.0	100	2	10	80
T11G/1N273	35	1.0	100	20	20	80
TYPE	MAX. PEAK REVERSE VOLTAGE (volts)	MAX. FORWARD VOLTAGE (volts)	FORWARD CURRENT (mA)	REVERSE CURRENT (μ A)	REVERSE VOLTAGE (volts)	POWER DISSIPATION (mW)
T12G	75	1.0	20	30	10	80
T13G	25	1.0	40	2	10	80
T14G	25	1.0	40	5	10	80
T15G	125	1.0	125	180	90	80
T16G/1N276	75	1.0	40	100	50	80
T17G/1N277	125	1.0	100	250	50	80
T18G/1N278	—	1.0 (2)	20	125	50	80
T19G	—	1.0 (2)	200	225 (2)	40	80
T20G	—	1.0 (2)	20	30 (2)	10	80
T21G	—	1.0 (2)	20	50 (2)	20	80
T22G	—	1.0 (2)	40	20 (2)	10	80
T23G	—	1.0 (5)	20	200 (5)	50	80
T24G	—	1.0 (5)	20	300 (5)	30	80
T25G/1N283	25	1.0	200	20	10	80
T26G	25	1.0	40	10	10	80
T27G	—	1.0 (2)	40	100 (2)	10	80

Notes: (1) $T_A = +55^\circ\text{C}$ (2) $T_A = +75^\circ\text{C}$ (5) $T_A = +60^\circ\text{C}$

SILICON DIODES

Case Style — DO-7

TYPE	MAX. PEAK REVERSE VOLTAGE (volts)	MAX. FORWARD VOLTAGE (volts)	FORWARD CURRENT (mA)	REVERSE CURRENT (μ A) 25°C	REVERSE CURRENT (μ A) 150°C	REVERSE VOLTAGE (volts)	CAPACITANCE (pF)	RECOVERY TIME (μ sec)	POWER DISSIPATION (mW)
1N251*	30	1.0	5	.1	10 (1)	10	—	0.15	150 (P)
1N252	20	1.0	10	.1	10 (1)	5	—	0.15	150 (P)
1N432	40	1.0	10	.005	3	10	—	—	250 (A)
1N434	180	1.0	2	.01	.4 (2)	10	—	—	250 (A)
1N458	30	1.0	40	.025	5	25	—	—	250 (A)
1N456A	30	1.0	100	.025	5	25	—	—	250 (A)
1N457*	70	1.0	20	.025	5	60	—	—	250 (A)
1N457A	70	1.0	100	.025	5	60	—	—	250 (A)
1N458*	150	1.0	7	.025	5	125	—	—	250 (A)
1N458A	150	1.0	100	.025	5	125	—	—	250 (A)
1N459*	200	1.0	3	.025	5	175	—	—	250 (A)
1N459A	200	1.0	100	.025	5	175	—	—	250 (A)
1N461	30	1.0	15	.5	30	25	—	—	250 (A)
1N461A	30	1.0	100	.5	30	25	—	—	250 (A)
1N462	70	1.0	5	.5	30	60	—	—	250 (A)

Notes: * Available in mil. version (A) Silicon alloy construction (P) Silicon planar construction

(1) $+125^\circ\text{C}$ (2) $+100^\circ\text{C}$