

GERMANIUM DIODES

Case Style — DO-7

TYPE	MAX. PEAK REVERSE VOLTAGE (VOLTS)	MAX. FORWARD VOLTAGE (VOLTS)	FORWARD CURRENT (MA)	REVERSE CURRENT (uA)	REVERSE VOLTAGE (VOLTS)	POWER DISSIPATION (mW)	TYPE	MAX. PEAK REVERSE VOLTAGE (VOLTS)	MAX. FORWARD VOLTAGE (VOLTS)	FORWARD CURRENT (MA)	REVERSE CURRENT (uA)	REVERSE VOLTAGE (VOLTS)	POWER DISSIPATION (mW)
1N34	75	1.0	5	50	10	130	1N95	75	1	10	500	50	80
1N34A	75	1.0	5	30	10	130	1N96	75	1	20	500	50	80
1N36	36	1.0	4	100	25	130	1N96A	75	1	40	500	50	80
1N38	125	1.0	3	6	3	130	1N97	100	1	10	8	5	80
1N38A	125	1.0	5	5	3	130	1N97A	90	1	20	8	5	80
1N38B	125	1.0	25	6	3	130	1N98	100	1	20	8	5	80
1N44	115	1.0	3	1000	50	130	1N98A	100	1	40	8	5	80
1N45	110	1.0	3	410	50	130	1N99	100	1	10	5	5	80
1N48	80	1.0	3	1500	50	130	1N99A	90	1	20	5	5	80
1N48	85	1.0	5	800	50	130	1N100	100	1	20	5	5	80
1N49	75	1.0	5	200	20	130	1N100A	100	1	40	50	50	80
1N50	75	1.0	5	80	20	130	1N103	20	1	30	750	15	80
1N51	50	1.0	2.5	1500	50	130	1N104	25	1	30	750	15	80
1N52	85	1.0	5	150	50	130	1N107	10	1	150	200	10	80
1N52A	85	1.0	25	100	50	130	1N108	50	1	50	200	50	80
1N54	75	1.0	5	10	10	130	1N111	75	1	5	25 (1)	10	80
1N54A	75	1.0	5	7	10	130	1N112	75	1	5	50 (1)	10	80
1N56	45	1.0	15	300	30	130	1N113	75	1	5	25 (1)	10	80
1N56A	50	1.0	15	300	30	130	1N114	75	1	5	50 (1)	10	80
1N57	100	1.0	3.6	300	75	130	1N115	75	1	5	100 (1)	10	80
1N57A	80	1.0	4	500	75	130	1N116	75	1	5	100	50	80
1N58	125	1.0	5	800	100	130	1N117	75	1	10	100	50	80
1N58A	125	1.0	5	600	100	130	1N118	75	1	20	100	50	80
1N60	40	1.0	5	200	10	80	1N118A	75	1	40	100	50	80
1N60A	40	1.0	5	60	10	80	1N119	60	1	5	125 (1)	50	80
1N61	140	1.0	5	300	100	80	1N120	60	1	5	250 (1)	50	80
1N62	140	1.0	5	700	100	80	1N126	75	1.0	5	50	10	80
1N63	125	1.0	5	50	50	130	1N127	125	1.0	3	25	10	80
1N63A	100	1.0	4	50	50	80	1N127A	125	1.0	3	25	10	80
1N65	80	1.0	2.5	200	50	80	1N135	75	1.0	5	850	50	80
1N66	60	1.0	5	50	10	80	1N139	50	1.0	20	1500	50	130
1N66A	60	1.0	5	50	10	80	1N140	85	1.0	40	300	50	130
1N67	90	1.0	4	5	5	80	1N144	40	1.0	100	200	20	130
1N67A	100	1.0	5	5	5	80	1N145	40	1.0	40	100	10	130
1N68	100	1.0	3	625	100	80	1N175	125	1.0	5	50	50	80
1N68A	130	1.0	5	625	100	80	1N191	75	1.0	5	125 (1)	50	80
1N69	85	1.0	5	50	10	130	1N192	75	1.0	5	250 (1)	50	80
1N69A	75	1.0	5	30	10	80	1N198	80	1.0	4	10	10	80
1N70	125	1.0	5	25	10	130	1N198A	80	1.0	4	50	50	80
1N70A	125	1.0	3	25	10	130	1N198B	100	1.0	4	50	50	80
1N75	125	1.0	5	50	50	130	1N270	100	1.0	200	100	50	80
1N81	50	1.0	5	10	10	130	1N273	35	1.0	100	20	20	80
1N81A	55	1.0	3	10	10	130	1N276	75	1.0	40	100	50	80
1N84	25	1	60	750	15	80	1N277	125	1.0	100	250	50	80
1N86	70	1	4	50	10	80	1N278	60	1.0	20	125 (2)	50	80
1N87	23	.25	.1	30	1.5	80	1N279	35	1.0	100	200	20	80
1N87A	23	.25	.1	10	1.5	80	1N281	75	1.0	100	30	10	80
1N88	90	1	5	75	100	80							
1N89	100	1	5	8	5	80							
1N90	75	1	5	500	50	80							

Notes: (1) T_A = +55°C

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

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)	TYPE	MAX. PEAK REVERSE VOLTAGE (volts)	MAX. FORWARD VOLTAGE (volts)	FORWARD CURRENT (mA)	REVERSE CURRENT (μA)	REVERSE VOLTAGE (volts)	POWER DISSIPATION (mW)
T21	—	1.0	20	50 (2)	20	130	T12G	75	1.0	20	30	10	80
T22	—	1.0	20	20 (2)	10	130	T13G	25	1.0	40	2	10	80
T23	—	1.0	20	200 (1)	50	130	T14G	25	1.0	40	5	10	80
T26	—	—	—	—	—	—	T15G	125	1.0	125	180	90	80
T27	—	—	—	—	—	—	T16G/1N276	75	1.0	40	100	50	80
T1G	50	1.0	20	1500	50	80	T17G/1N277	125	1.0	100	250	50	80
T2G	75	1.0	40	300	50	80	T18G/1N278	—	1.0 (2)	20	125	50	80
T3G	75	1.0	20	50	50	80	T19G	—	1.0 (2)	200	225 (2)	40	80
T4G	125	1.0	5	100	100	80	T20G	—	1.0 (2)	20	30 (2)	10	80
T5G	125	1.0	40	100	100	80	T21G	—	1.0 (2)	20	50 (2)	20	80
T6G/1N279	35	1.0	100	200	20	80	T22G	—	1.0 (2)	40	20 (2)	10	80
T7G/1N270	100	1.0	200	100	50	80	T23G	—	1.0 (5)	20	200 (5)	50	80
T8G	125	1.0	100	5	10	80	T24G	—	1.0 (5)	20	300 (5)	30	80
T9G	75	1.0	100	2	10	80	T25G/1N283	25	1.0	200	20	10	80
T11G/1N273	35	1.0	100	20	20	80	T26G	25	1.0	40	10	10	80
							T27G	—	1.0 (2)	40	100 (2)	10	80

Notes: (1) T_A = +55°C (2) T_A = +75°C (5) T_A = +60°C

SILICON DIODES

Case Style — DO-7

TYPE	MAX. PEAK REVERSE VOLTAGE (volts)	MAX. FORWARD VOLTAGE (volts)	FORWARD CURRENT (mA)	REVERSE CURRENT (μA) 25°C	REVERSE CURRENT (μA) 130°C	REVERSE VOLTAGE (volts)	CAPACITANCE (pF)	RECOVERY TIME (μsec)	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)
1N456	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°C (2) +100°C