

New Jersey Semi-Conductor Products, Inc.

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# GERMANIUM DIODES

## Gold Bonded Germanium Diodes in DO-7 Package

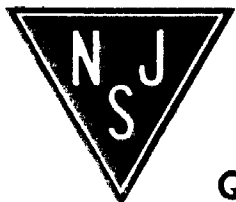
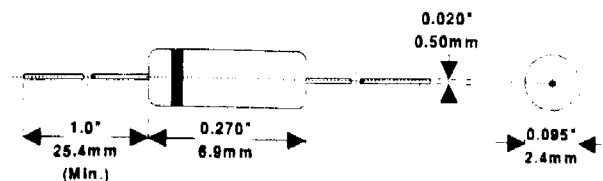
Type	Peak Inverse Voltage (MIN.) (PIV) Volts	Maximum Forward Voltage Drop		Maximum Reverse leakage current		Maximum Reverse Recovery ( $t_r$ ) nS
		( $V_F$ ) Volts	@ $I_F$ mA	( $I_R$ ) $\mu$ A	@ $V_R$ Volts	
AA113	65	1.1	10	180	60	-
AA117	90	0.18	0.1	280	90	-
AA118	90	1.0	5	80	90	-
AA119	45	1.5	10	2.8	3	-
AA138	25	1.5	10	2	25	-
AA143	30	0.5	15	20	20	70
AA144	100	1.0	5	200	75	-
AAZ15	100	0.45	10	100	1	350
AAZ17	75	0.45	10	300	1	350
AAZ18	40	0.75	200	40	1	-
OA47	25	0.45	10	100	25	70
OA79	40	2.2	10	100	36	-
OA90 *	30	1.0	10	20	10	-
OA91 *	100	1.0	10	11	10	-
OA95 *	100	1.0	10	7	10	-
OA99 *	45	1.0	100	18	10	-
1N34A	60	1.0	5	30	30	-
1N38A	100	1.0	40	50	50	-
1N60A	40	1.0	4	60	10	-
1N100A	80	1.0	40	50	50	-
1N270 ✓	100	1.0	200	100	50	-
1N276 ✓	100	1.0	40	100	50	300
1N277 ✓	125	1.0	100	250	50	-
1N695	20	1.0	100	2	10	300 typ.
1N695A	25	0.5	10	2	10	300
1N933	100	1.0	14	10	10	400
1N949	50	0.39	10	10	10	-
1N3287 ✓	6	0.3	1	15	2	-
1N3592	25	0.5	15	4	4.5	40
1N3666 ✓	80	1.0	200	10	20	300
1N3773	25	0.5	15	4	3	40

Average power dissipation = 80 mW

Operating temperature = -65°C to 85°C

\* For matched pairs, use a 2- prefix. Pairs are grouped in 10 millivolt  $V_F$  cells, measured at 1 mA  $I_F$ .

## DO-7 Glass Package (nominal dimensions)



Quality Semi-Conductors