

New Jersey Semi-Conductor Products, Inc.

20 STERN AVE.
 SPRINGFIELD, NEW JERSEY 07081
 U.S.A.

1N6316 - 1N6355

TELEPHONE: (973) 376-2922
 (212) 227-6005
 FAX: (973) 376-8960

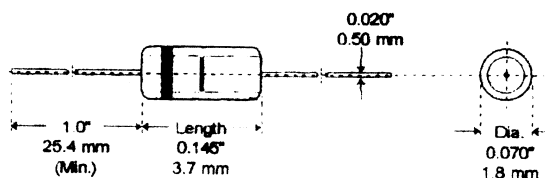
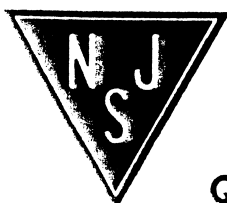
1/2 Watt Zener Diodes

DO-35 Hard Glass Package

Type	Nominal Zener Voltage @ I_{Z2} +/- 5% (V_{Z2})	Minimal Zener Voltage @ I_{Z1} 250 μ A (V_{Z1})	Test Current I_{Z2}	Maximum Zener Impedance (Z_Z) @ (Z_{ZK}) 250 μ A		Maximum Regulator Current (I_{ZM})	Reg. Factor (ΔV_Z)	Maximum Surge Current (I_{ZSM})	Maximum Reverse Leakage Current (I_R) @ V_R			Noise Density @ 250 μ A 1.3KHz (N_D)	Typical Temp. Coeff.	Typical Cap. @ 0V (C_0)
	Volts	Volts	mA	Ohms	Ohms	mA	Volts	Amps	25°C μ A	150°C μ A	@ V_R V	uV	%/°C	pF
1N6316	4.7	2.8	20	16	1500	90	0.5	1.27	5.0	12	1.5	1.0	-0.028 +0.032	1300
1N6317	5.1	3.3	20	14	1300	83	0.4	1.17	5.0	12	2.0	1.0	0.045	1200
1N6318	5.6	4.3	20	8.0	1200	76	0.4	1.10	5.0	10	2.5	2.0	0.050	1150
1N6319	6.2	5.2	20	3.0	800	68	0.3	0.97	5.0	10	3.5	5.0	0.060	1050
1N6320	6.8	6.0	20	3.0	400	63	0.35	1.23	2.0	10	4.0	5.0	0.062	1000
1N6321	7.5	6.6	20	4.0	400	57	0.4	1.16	2.0	10	5.0	5.0	0.068	900
1N6322	8.2	7.5	20	5.0	400	52	0.4	1.07	1.0	10	6.0	20	0.075	800
1N6323	9.1	8.4	20	6.0	500	47	0.5	0.97	1.0	10	7.0	40	0.076	700
1N6324	10	9.1	20	6.0	500	43	0.5	0.89	1.0	10	8.0	80	0.079	600
1N6325	11	10	20	7.0	550	39	0.5	0.83	1.0	10	8.5	100	0.082	500
1N6326	12	11	20	7.0	550	36	0.55	0.77	1.0	10	9.0	100	0.083	450
1N6327	13	11.9	9.5	8.0	550	33	0.55	0.71	0.05	10	9.9	100	0.079	400
1N6328	15	13.8	8.5	10	600	28	0.70	0.62	0.05	10	11	100	0.082	350
1N6329	16	14.7	7.8	12	600	27	0.75	0.58	0.05	10	12	100	0.083	325
1N6330	18	16.6	7.0	14	600	24	0.85	0.52	0.05	10	14	100	0.085	300
1N6331	20	18.5	6.2	18	500	21	0.95	0.47	0.05	10	16	100	0.086	275
1N6332	22	20.4	5.6	20	500	19	1.05	0.43	0.05	10	17	100	0.087	260
1N6333	24	22.3	5.2	24	500	18	1.15	0.39	0.05	10	18	100	0.088	240
1N6334	27	25.2	4.6	27	500	16	1.30	0.36	0.05	10	21	100	0.090	220
1N6336	30	28	4.2	32	500	14	1.45	0.31	0.05	10	23	100	0.091	200
1N6336	33	30.9	3.8	40	600	13	1.60	0.28	0.05	10	25	100	0.092	185
1N6337	36	33.7	3.4	50	600	12	1.75	0.26	0.05	10	27	100	0.093	175
1N6338	39	36.6	3.2	55	700	11	1.90	0.24	0.05	10	30	100	0.094	170
1N6338	43	40.4	3.0	65	800	9.9	2.10	0.22	0.05	10	33	80	0.095	165
1N6340	47	44.2	2.7	75	900	9.0	2.25	0.20	0.05	10	36	80	0.095	155
1N6341	51	48	2.5	85	1000	8.3	2.50	0.18	0.05	10	39	80	0.096	145
1N6342	56	52.7	2.2	100	1200	7.6	2.70	0.17	0.05	10	43	80	0.097	135
1N6343	62	58.4	2.0	125	1300	6.8	2.90	0.15	0.05	10	47	80	0.097	130
1N6344	68	64.1	1.8	155	1500	6.3	3.20	0.13	0.05	10	52	80	0.098	120
1N6345	75	70.8	1.7	180	1600	5.7	3.40	0.125	0.05	10	56	80	0.098	110
1N6346	82	77.4	1.5	220	1800	5.2	3.80	0.115	0.05	10	62	80	0.099	105
1N6347	91	86	1.4	270	2100	4.7	4.20	0.100	0.05	10	69	80	0.099	100
1N6348	100	94.5	1.3	340	2400	4.3	4.40	0.095	0.05	10	76	80	0.110	95
1N6349	110	104	1.1	500	2800	3.9	4.80	0.085	0.05	10	84	80	0.110	90
1N6350	120	113	1.0	600	3200	3.5	5.20	0.080	0.05	10	91	80	0.110	70
1N6351	130	122	0.95	850	4100	3.3	5.60	0.070	0.05	10	99	80	0.110	70
1N6352	150	141	0.85	1000	4500	2.8	7.00	0.065	0.05	10	114	80	0.110	65
1N6353	160	151	0.80	1200	5000	2.7	7.50	0.060	0.05	10	122	80	0.110	65
1N6354	180	170	0.65	1500	5600	2.4	9.00	0.050	0.05	10	137	80	0.110	60
1N6355	200	189	0.65	1800	6500	2.1	12.0	0.045	0.05	10	152	80	0.110	55

Voidless

(nominal dimensions)



Quality Semi-Conductors