

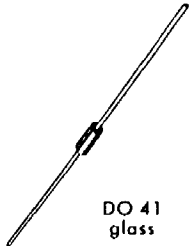
New Jersey Semi-Conductor Products, Inc.

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

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

1N5913A thru 1N5956A

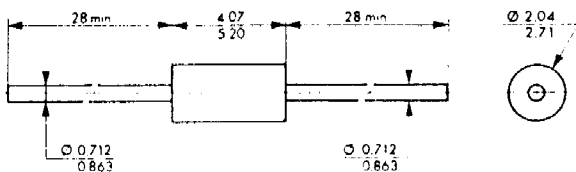
1.5 WATTS
ZENER DIODES
3.3 - 200 VOLTS



*ELECTRICAL CHARACTERISTICS ($T_L = 30^\circ\text{C}$ unless otherwise noted. $V_F = 1.5$ Volts Max @ $I_F = 200$ mAdc for all types.)

Motorola Type Number (Note 1)	Nominal Zener Voltage $V_Z @ I_ZT$ Volts (Note 2)	Test Current I_ZT mA	Max. Zener Impedance			Max. Reverse Leakage Current			Maximum DC Zener Current I_{ZM} mAdc
			$Z_{ZT} @ I_ZT$ Ohms	Z_{ZK} Ohms @ I_{ZK} mA	I_R μA @ V_R Volts	I_R μA @ V_R Volts	I_R μA @ V_R Volts		
1N5913A	3.3	113.6	10	500	1.0	100	1.0	454	
1N5914A	3.6	104.2	9.0	500	1.0	75	1.0	416	
1N5915A	3.9	96.1	7.5	500	1.0	25	1.0	384	
1N5916A	4.3	87.2	6.0	500	1.0	5.0	1.0	348	
1N5917A	4.7	79.8	5.0	500	1.0	5.0	1.5	319	
1N5918A	5.1	73.5	4.0	350	1.0	5.0	2.0	294	
1N5919A	5.6	66.9	2.0	250	1.0	5.0	3.0	267	
1N5920A	6.2	60.5	2.0	200	1.0	5.0	4.0	241	
1N5921A	6.8	55.1	2.5	200	1.0	5.0	5.2	220	
1N5922A	7.5	50.0	3.0	400	0.5	5.0	6.8	200	
1N5923A	8.2	45.7	3.5	400	0.5	5.0	6.5	182	
1N5924A	9.1	41.2	4.0	500	0.5	5.0	7.0	164	
1N5925A	10	37.5	4.5	500	0.25	5.0	8.0	150	
1N5926A	11	34.1	5.5	550	0.25	1.0	8.4	136	
1N5927A	12	31.2	6.5	550	0.25	1.0	9.1	125	
1N5928A	13	28.8	7.0	550	0.25	1.0	9.9	115	
1N5929A	15	25.0	9.0	600	0.25	1.0	11.4	100	
1N5930A	16	23.4	10	600	0.25	1.0	12.2	93	
1N5931A	18	20.8	12	650	0.25	1.0	13.7	83	
1N5932A	20	18.7	14	650	0.25	1.0	15.2	75	
1N5933A	22	17.0	17.5	650	0.25	1.0	16.7	68	
1N5934A	24	15.6	19	700	0.25	1.8	18.2	62	
1N5935A	27	13.9	23	700	0.25	1.0	20.6	55	
1N5936A	30	12.5	26	750	0.25	1.0	22.8	50	
1N5937A	33	11.4	33	800	0.25	1.0	25.1	45	
1N5938A	36	10.4	38	850	0.25	1.0	27.4	41	
1N5939A	39	9.6	45	900	0.25	1.0	29.7	38	
1N5940A	43	8.7	53	950	0.25	1.0	32.7	34	
1N5941A	47	8.0	67	1000	0.25	1.0	35.8	31	
1N5942A	51	7.3	70	1100	0.25	1.0	38.8	29	
1N5943A	56	6.7	86	1300	0.25	1.0	42.6	26	
1N5944A	62	6.0	100	1500	0.25	1.0	47.1	24	
1N5945A	68	5.5	120	1700	0.25	1.0	51.7	22	
1N5946A	75	5.0	140	2000	0.25	1.0	56.0	20	
1N5947A	82	4.6	160	2500	0.25	1.0	62.2	18	
1N5948A	91	4.1	200	3000	0.25	1.0	69.2	16	
1N5949A	100	3.7	250	3100	0.25	1.0	76.0	15	
1N5950A	110	3.4	300	4000	0.25	1.0	83.6	13	
1N5951A	120	3.1	380	4500	0.25	1.0	91.2	12	
1N5952A	130	2.9	450	5000	0.25	1.0	98.8	11	
1N5953A	150	2.5	600	6000	0.25	1.0	114	10	
1N5954A	160	2.3	700	6500	0.25	1.0	121.6	9.0	
1N5955A	180	2.1	900	7000	0.25	1.0	136.8	8.0	
1N5956A	200	1.9	1200	8000	0.25	1.0	152	7.0	

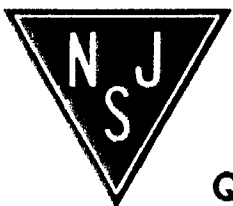
(DO 41)



*MAXIMUM RATINGS

Rating	Symbol	Value	Unit
DC Power Dissipation @ $T_L = 75^\circ\text{C}$, Lead Length = 3/8" Derate above 75°C	P_D	1.5	Watts
Operating and Storage Junction Temperature Range	T_J, T_{stg}	-55 to +200	$^\circ\text{C}$

*Indicates JEDEC Registered Data.



Quality Semi-Conductors

NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.