

New Jersey Semi-Conductor Products, Inc.

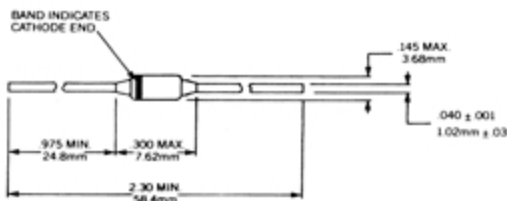
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1N4954-1N4996, 1N5968-1N5969.

Electrical Specifications at 25°C											Maximum Ratings	
Type	Nominal Zener Voltage $V_Z @ I_{ZT}$	Test Current I_{ZT}	Maximum Zener Impedance Z_Z		Voltage Regulation $\Delta V_Z @ I_{ZT}$	Maximum Reverse Leakage Current			Maximum Temperature Coeff. $T_C @ I_{ZT}$	Maximum Continuous Current I_{ZM}	Maximum Surge Current I_{ZM}	
			$Z_Z @ I_{ZT}$	$Z_Z @ I_{ZT} = 1mA$		I_{R1}	I_{R2}	V_R				
$\pm 5\%$ Tolerance	Volts	mA	Ohms	Ohms	Volts	μA	μA	Volts	%/°C	mA	Amps	
1N5968 1N5969	5.6 6.2	220 220	1.0 1.0	400 1000	0.4 0.5	5000 1000	5000 1000	4.28 4.74	.04 .04	865 765	20 20	
1N4954 1N4955 1N4956 1N4957 1N4958	6.8 7.5 8.2 9.1 10.0	175 175 150 150 125	1.0 1.5 1.5 2.0 2.0	1000 800 600 400 125	0.7 0.7 0.7 0.7 0.8	150 100 50 25 25	300 200 100 50 25	5.2 5.7 6.2 6.9 7.6	.05 .06 .06 .06 .07	700 630 580 520 475	40 32 24 22 20	
1N4959 1N4960 1N4961 1N4962 1N4963	11 12 13 15 16	125 100 100 75 75	2.5 3.0 3.0 3.5 3.5	130 140 145 150 155	0.8 0.8 0.8 1.0 1.1	10 10 10 5 5	15 10 10 5 5	8.4 9.1 9.9 11.4 12.2	.07 .07 .08 .08 .08	430 395 365 315 294	19 18 16 12 10	
1N4964 1N4965 1N4966 1N4967 1N4968	18 20 22 24 27	65 65 50 50 50	4.0 4.5 5.0 5.0 6.0	160 165 170 175 180	1.2 1.5 1.8 2.0 2.0	5 2 2 2 2	5 2 2 2 2	13.7 15.2 16.7 18.2 20.6	.085 .085 .085 .090 .090	264 237 216 198 176	9.0 8.0 7.0 6.5 6.0	
1N4969 1N4970 1N4971 1N4972 1N4973	30 33 36 39 43	40 40 30 30 30	8 10 11 14 20	190 200 220 230 240	2.5 2.8 3.0 3.0 3.3	2 2 2 2 2	2 2 2 2 2	22.8 25.1 27.4 29.7 32.7	.090 .095 .095 .095 .095	158 144 132 122 110	5.5 5.0 4.5 4.0 3.5	
1N4974 1N4975 1N4976 1N4977 1N4978	47 51 56 62 68	25 25 20 20 20	25 27 35 42 50	250 270 320 400 500	3.5 4.0 4.4 5.0 5.5	2 2 2 2 2	2 2 2 2 2	35.8 38.8 42.6 47.1 51.7	.095 .095 .095 .100 .100	100 92 84 76 70	3.2 3.0 2.8 2.5 2.2	
1N4979 1N4980 1N4981 1N4982 1N4983	75 82 91 100 110	20 15 15 12 12	55 80 90 110 125	620 720 760 800 1000	6.0 6.6 7.5 8.0 9.0	2 2 2 2 2	2 2 2 2 2	56.0 62.2 69.2 76.0 83.6	.100 .100 .100 .100 .100	63.0 58.0 52.5 47.5 43.0	2.0 1.8 1.6 1.4 1.2	
1N4984 1N4985 1N4986 1N4987 1N4988	120 130 150 160 180	10 10 8 8 5	170 190 330 350 450	1150 1250 1500 1650 1750	10 11 13 14 16	2 2 2 2 2	2 2 2 2 2	91.2 98.8 114.0 121.6 136.8	.100 .105 .105 .105 .110	39.5 36.6 31.6 29.4 26.4	1.00 0.80 0.75 0.70 0.60	
1N4989 1N4990 1N4991 1N4992 1N4993	200 220 240 270 300	5 5 5 5 4	500 550 650 800 950	1850 2000 2050 2100 2150	18 19 22 25 28	2 2 2 2 2	2 2 2 2 2	152 167 182 206 228	.110 .115 .115 .120 .120	23.6 21.6 19.8 17.5 15.6	0.50 0.50 0.40 0.35 0.30	
1N4994 1N4995 1N4996	330 360 390	4 3 3	1175 1400 1800	2200 2300 2500	32 35 40	2 2 2	2 2 2	251 274 297	.120 .120 .120	14.4 13.0 12.0	0.25 0.22 0.20	

MECHANICAL SPECIFICATIONS



Quality Semi-Conductors