

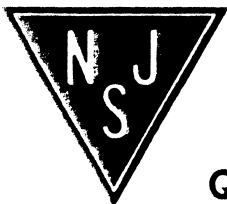
1N5008A
 thru
1N5051A

***MAXIMUM RATINGS**

Junction and Storage Temperatures -65 to 150°C
 DC Power Dissipation 2.5 Watts
 Derating Derate 20mW/°C above 25°C as in Figure 4

***ELECTRICAL CHARACTERISTICS @ 25°C unless otherwise noted**

JEDEC TYPE NUMBER (Note 1)	NOMINAL ZENER VOLTAGE (Note 2)		MAXIMUM ZENER IMPEDANCE (Note 3)			MAXIMUM REVERSE LEAKAGE CURRENT		Max. Rated Zener Current (Note 4)	Max. Zener Surge Current (Note 5)	TYPICAL TEMP. COEFF. OF ZENER VOLTAGE
	V _Z @ I _{ZT}		Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}		I _R @ V _R		I _{ZM}	I _S	
	VOLTS	mA	OHMS	OHMS	mA	μA	VOLTS	mA	AMPS	
1N5008A	3.3	189	6.0	400	1.0	100	1.0	722	6.0	-.066
1N5009A	3.6	173	5.5	400	1.0	100	1.0	661	5.5	-.058
1N5010A	3.9	160	5.0	400	1.0	100	1.0	612	5.1	-.046
1N5011A	4.3	145	4.0	400	1.0	100	1.0	555	4.6	-.033
1N5012A	4.7	133	3.5	500	1.0	50	1.0	507	4.2	±.015
1N5013A	5.1	122	3.0	550	1.0	10	1.0	467	3.9	±.010
1N5014A	5.6	111	2.5	600	1.0	10	2.0	425	3.5	+ .030
1N5015A	6.2	101	3.0	700	1.0	10	3.0	384	3.3	+ .049
1N5016A	6.8	92.0	1.6	700	1.0	150	5.2	350	18.0	.040
1N5017A	7.5	83.0	1.8	700	.5	50	5.7	318	16.0	.045
1N5018A	8.2	76.0	2.1	700	.5	10	6.2	290	15.0	.048
1N5019A	9.1	69.0	2.4	700	.5	10	6.9	262	13.0	.050
1N5020A	10.0	62.0	3.0	700	.25	10	7.6	238	12.0	.055
1N5021A	11.0	57.0	3.6	700	.25	10	8.4	216	11.0	.060
1N5022A	12.0	52.0	4.2	700	.25	10	9.1	198	10.0	.065
1N5023A	13.0	48.0	4.8	700	.25	10	9.9	183	9.6	.065
1N5024A	14.0	45.0	5.4	700	.25	10	10.6	170	8.9	.070
1N5025A	15.0	42.0	6.0	700	.25	10	11.4	159	8.3	.070
1N5026A	16.0	39.0	6.6	700	.25	10	12.2	149	7.8	.070
1N5027A	17.0	37.0	7.2	700	.25	10	12.9	140	7.3	.075
1N5028A	18.0	35.0	7.8	750	.25	10	13.7	132	6.9	.075
1N5029A	19.0	33.0	8.4	750	.25	10	14.4	125	6.5	.075
1N5030A	20.0	31.0	9.0	750	.25	10	15.2	119	6.2	.075
1N5031A	22.0	28.0	9.6	750	.25	10	16.7	108	5.6	.080
1N5032A	24.0	26.0	10.0	750	.25	10	18.2	99	5.2	.080
1N5033A	25.0	25.0	11.0	750	.25	10	19.0	99	5.0	.080
1N5034A	27.0	23.0	12.0	750	.25	10	20.5	88	4.6	.085
1N5035A	30.0	21.0	15.0	1000	.25	10	22.8	79	4.1	.085
1N5036A	33.0	19.0	18.0	1000	.25	10	25.1	72	3.7	.085
1N5037A	36.0	17.0	21.0	1000	.25	10	27.4	66	3.4	.085
1N5038A	39.0	16.0	24.0	1000	.25	10	29.6	61	3.2	.090
1N5039A	43.0	15.0	27.0	1500	.25	10	32.7	55	2.9	.090
1N5040A	45.0	14.0	30.0	1500	.25	10	34.2	53	2.7	.090
1N5041A	47.0	13.0	33.0	1500	.25	10	35.7	50	2.6	.090
1N5042A	50.0	12.0	36.0	1500	.25	10	38.0	47	2.5	.090



Quality Semi-Conductors