

ZENER DIODES

2.5 WATT

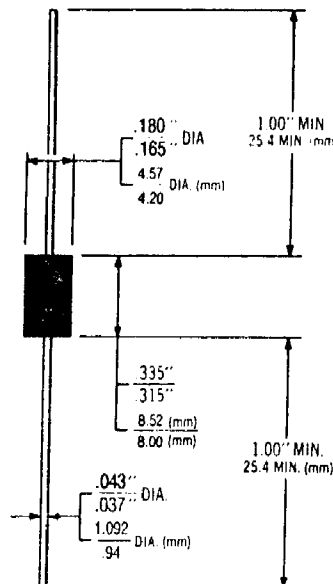
JEDEC TYPE NUMBER †	NOMINAL ZENER VOLTAGE V _Z VOLTS	TEST CURRENT I _{ZT} mA	MAXIMUM ZENER IMPEDANCE			MAXIMUM REVERSE LEAKAGE CURRENT I _R @ V _R @ 25°C μA VOLTS		MAXIMUM DC ZENER CURRENT I _{ZM} mA	TYPICAL TEMPERATURE COEFFICIENT @ I _{ZT} %/°C	MAXIMUM SURGE CURRENT I _S AMPS
			Z _{ZT} @ I _{ZT} Ohms	Z _{ZK} Ohms	@ I _{ZK} mA	I _R @ V _R μA	V _R VOLTS			
1N5017A	7.5	83.0	1.8	700	.5	50	5.7	318	.045	16.0
1N5018A	8.2	76.0	2.1	700	.5	10	6.2	290	.048	15.0
1N5019A	9.1	69.0	2.4	700	.5	10	6.9	262	.050	13.0
1N5020A	10.0	62.0	3.0	700	.25	10	7.6	238	.055	12.0
1N5021A	11.0	57.0	3.6	700	.25	10	8.4	216	.060	11.0
1N5022A	12.0	52.0	4.2	700	.25	10	9.1	198	.065	10.0
1N5023A	13.0	48.0	4.8	700	.25	10	9.9	183	.065	9.6
1N5024A	14.0	45.0	5.4	700	.25	10	10.6	170	.070	8.9
1N5025A	15.0	42.0	6.0	700	.25	10	11.4	159	.070	8.3
1N5026A	16.0	39.0	6.6	700	.25	10	12.2	149	.070	7.8
1N5027A	17.0	37.0	7.2	700	.25	10	12.9	140	.075	7.3
1N5028A	18.0	35.0	7.8	750	.25	10	13.7	132	.075	6.9
1N5029A	19.0	33.0	8.4	750	.25	10	14.4	125	.075	6.5
1N5030A	20.0	31.0	9.0	750	.25	10	15.2	119	.075	6.2
1N5031A	22.0	28.0	9.6	750	.25	10	16.7	108	.080	5.6
1N5032A	24.0	26.0	10.0	750	.25	10	18.2	99	.080	5.2
1N5033A	25.0	25.0	11.0	750	.25	10	19.0	99	.085	5.0
1N5034A	27.0	23.0	12.0	750	.25	10	20.5	88	.085	4.6
1N5035A	30.0	21.0	15.0	1000	.25	10	22.8	79	.085	4.1
1N5036A	33.0	19.0	18.0	1000	.25	10	25.1	72	.085	3.7
1N5037A	36.0	17.0	21.0	1000	.25	10	27.4	66	.085	3.4
1N5038A	39.0	16.0	24.0	1000	.25	10	29.6	61	.090	3.2
1N5039A	43.0	15.0	27.0	1500	.25	10	32.7	55	.090	2.9
1N5040A	45.0	14.0	30.0	1500	.25	10	34.2	53	.090	2.7
1N5041A	47.0	13.0	33.0	1500	.25	10	35.7	50	.090	2.6
1N5042A	50.0	12.0	36.0	1500	.25	10	38.0	47	.090	2.5
1N5043A	51.0	12.0	36.0	1500	.25	10	38.8	46	.090	2.4
1N5044A	52.0	12.0	39.0	2000	.25	10	39.5	45	.090	2.4
1N5045A	56.0	11.0	45.0	2000	.25	10	42.6	42	.090	2.2
1N5046A	62.0	10.0	51.0	2000	.25	10	47.1	38	.090	2.0
1N5047A	68.0	9.2	57.0	2000	.25	10	51.7	35	.090	1.8
1N5048A	75.0	8.3	66.0	2000	.25	10	57.0	31	.090	1.6
1N5049A	82.0	7.6	78.0	3000	.25	10	62.3	29	.090	1.5
1N5050A	91.0	6.9	90.0	3000	.25	10	69.2	26	.090	1.3
1N5051A	100.0	6.2	120.0	3000	.25	10	76.0	23	.090	1.2

V_F = 1.2 Volts max. @ 500 mA

Polarity - Banded End Positive

† Non Suffix V_Z = ±10%

A Suffix V_Z = ±5%



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.

