

## GENERAL DATA — 500 mW DO-35 GLASS

**ELECTRICAL CHARACTERISTICS** ( $T_A = 25^\circ\text{C}$  unless otherwise noted. Based on dc measurements at thermal equilibrium; lead length = 3/8"; thermal resistance of heat sink = 30°C/W)  $V_F = 1.1$  Max @  $I_F = 200$  mA for all types.

JEDEC Type No. (Note 1)	Nominal Zener Voltage $V_Z$ @ $I_{ZT}$ Volts (Note 3)	Test Current $I_{ZT}$ mA	Max Zener Impedance (Note 4)		Max Reverse Leakage Current		Max Zener Voltage Temperature Coeff. $\theta_{VZ}$ (%/°C) (Note 2)
			$Z_{ZT}$ @ $I_{ZT}$ Ohms	$Z_{ZK}$ @ $I_{ZK} = 0.25$ mA Ohms	$I_R$ $\mu\text{A}$	$V_R$ Volts	
1N5221B	2.4	20	30	1200	100	1	-0.085
1N5222B	2.5	20	30	1250	100	1	-0.085
1N5223B	2.7	20	30	1300	75	1	-0.08
1N5224B	2.8	20	30	1400	75	1	-0.08
1N5225B	3	20	29	1600	50	1	-0.075
<b>1N5226B</b>	<b>3.3</b>	<b>20</b>	<b>28</b>	<b>1600</b>	<b>25</b>	<b>1</b>	<b>-0.07</b>
1N5227B	3.6	20	24	1700	15	1	-0.065
<b>1N5228B</b>	<b>3.9</b>	<b>20</b>	<b>23</b>	<b>1900</b>	<b>10</b>	<b>1</b>	<b>-0.06</b>
1N5229B	4.3	20	22	2000	5	1	$\pm 0.055$
1N5230B	4.7	20	19	1900	5	2	$\pm 0.03$
<b>1N5231B</b>	<b>5.1</b>	<b>20</b>	<b>17</b>	<b>1600</b>	<b>5</b>	<b>2</b>	<b><math>\pm 0.03</math></b>
<b>1N5232B</b>	<b>5.6</b>	<b>20</b>	<b>11</b>	<b>1600</b>	<b>5</b>	<b>3</b>	<b>+0.038</b>
1N5233B	6	20	7	1600	5	3.5	+0.038
<b>1N5234B</b>	<b>6.2</b>	<b>20</b>	<b>7</b>	<b>1000</b>	<b>5</b>	<b>4</b>	<b>+0.045</b>
<b>1N5235B</b>	<b>6.8</b>	<b>20</b>	<b>5</b>	<b>750</b>	<b>3</b>	<b>5</b>	<b>+0.05</b>
1N5236B	7.5	20	6	500	3	6	+0.058
<b>1N5237B</b>	<b>8.2</b>	<b>20</b>	<b>8</b>	<b>500</b>	<b>3</b>	<b>6.5</b>	<b>+0.062</b>
1N5238B	8.7	20	8	600	3	6.5	+0.065
1N5239B	9.1	20	10	600	3	7	+0.068
<b>1N5240B</b>	<b>10</b>	<b>20</b>	<b>17</b>	<b>600</b>	<b>3</b>	<b>8</b>	<b>+0.075</b>
1N5241B	11	20	22	600	2	8.4	+0.076
<b>1N5242B</b>	<b>12</b>	<b>20</b>	<b>30</b>	<b>600</b>	<b>1</b>	<b>9.1</b>	<b>+0.077</b>
1N5243B	13	9.5	13	600	0.5	9.9	+0.079
1N5244B	14	9	15	600	0.1	10	+0.082
<b>1N5245B</b>	<b>15</b>	<b>8.5</b>	<b>16</b>	<b>600</b>	<b>0.1</b>	<b>11</b>	<b>+0.082</b>
<b>1N5246B</b>	<b>16</b>	<b>7.8</b>	<b>17</b>	<b>600</b>	<b>0.1</b>	<b>12</b>	<b>+0.083</b>
1N5247B	17	7.4	19	600	0.1	13	+0.084
1N5248B	18	7	21	600	0.1	14	+0.085
1N5249B	19	6.6	23	600	0.1	14	+0.086
<b>1N5250B</b>	<b>20</b>	<b>6.2</b>	<b>25</b>	<b>600</b>	<b>0.1</b>	<b>15</b>	<b>+0.086</b>
1N5251B	22	5.6	29	600	0.1	17	+0.087
1N5252B	24	5.2	33	600	0.1	18	+0.088
1N5253B	25	5	35	600	0.1	19	+0.089
1N5254B	27	4.6	41	600	0.1	21	+0.09
1N5255B	28	4.5	44	600	0.1	21	+0.091
1N5256B	30	4.2	49	600	0.1	23	+0.091
1N5257B	33	3.8	58	700	0.1	25	+0.092
1N5258B	36	3.4	70	700	0.1	27	+0.093
1N5259B	39	3.2	80	800	0.1	30	+0.094
1N5260B	43	3	93	900	0.1	33	+0.095
1N5261B	47	2.7	105	1000	0.1	36	+0.095
1N5262B	51	2.5	125	1100	0.1	39	+0.096
1N5263B	56	2.2	150	1300	0.1	43	+0.096
1N5264B	60	2.1	170	1400	0.1	46	+0.097
1N5265B	62	2	185	1400	0.1	47	+0.097

(continued)