



— Reference Diodes —

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 11</b> $V_Z = 8.5 \text{ V} \pm 5\%$ at $I_{ZT} = 1.0 \text{ mA}$ Test Temperatures: -55, 0, +25, +75, +100°C					
1N4780A	0.132	0.01	100	250 ②	51
1N4781A	0.066	0.005	100	250 ②	51
1N4782A	0.026	0.002	100	250 ②	51
1N4783A	0.013	0.001	100	250 ②	51
1N4784A	0.007	0.0005	100	250 ②	51

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 12</b> $V_Z = 9.0 \text{ V} \pm 5\%$ at $I_{ZT} = 7.5 \text{ mA}$ Test Temperatures: 0, 25, 75°C					
1N935	0.067	0.01	20	+250 ②	51
1N936	0.033	0.005	20	+250 ②	51
1N937	0.013	0.002	20	+250 ②	51
1N938	0.006	0.001	20	+250 ②	51
1N939	0.003	0.0005	20	+250 ②	51

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 13</b> $V_Z = 9.0 \text{ V} \pm 5\%$ at $I_{ZT} = 7.5 \text{ mA}$ Test Temperatures: -55, 0, +25, +75, +100°C					
1N935A	0.139	0.01	20	+250 ②	51
1N936A	0.069	0.005	20	+250 ②	51
1N937A	0.027	0.002	20	+250 ②	51
1N938A	0.013	0.001	20	+250 ②	51
1N939A	0.007	0.0005	20	+250 ②	51

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 14</b> $V_Z = 9.0 \text{ V} \pm 5\%$ at $I_{ZT} = 7.5 \text{ mA}$ Test Temperatures: -55, 0, +25, +75, +100, +150°C					
1N935B	0.184	0.01	20	+250 ②	51
1N936B	0.092	0.005	20	+250 ②	51
1N937B	0.037	0.002	20	+250 ②	51
1N938B	0.018	0.001	20	+250 ②	51
1N939B	0.009	0.0005	20	+250 ②	51

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 15</b> $V_Z = 9.1 \text{ V} \pm 5\%$ at $I_{ZT} = 0.5 \text{ mA}$ Test Temperatures: 0, 25, 75°C					
1N4765	0.068	0.01	350	250 ②	51
1N4766	0.034	0.005	350	250 ②	51
1N4767	0.014	0.002	350	250 ②	51
1N4768	0.007	0.001	350	250 ②	51
1N4769	0.003	0.0005	350	250 ②	51

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 16</b> $V_Z = 9.1 \text{ V} \pm 5\%$ at $I_{ZT} = 0.5 \text{ mA}$ Test Temperatures: -55, 0, +25, +75, +100°C					
1N4765A	0.141	0.01	350	250 ②	51
1N4766A	0.070	0.005	350	250 ②	51
1N4767A	0.028	0.002	350	250 ②	51
1N4768A	0.014	0.001	350	250 ②	51
1N4769A	0.007	0.0005	350	250 ②	51

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 17</b> $V_Z = 9.1 \text{ V} \pm 5\%$ at $I_{ZT} = 1.0 \text{ mA}$ Test Temperatures: 0, 25, 75°C					
1N4770	0.068	0.01	200	250 ②	51
1N4771	0.034	0.005	200	250 ②	51
1N4772	0.014	0.002	200	250 ②	51
1N4773	0.007	0.001	200	250 ②	51
1N4774	0.003	0.0005	200	250 ②	51

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 18</b> $V_Z = 9.1 \text{ V} \pm 5\%$ at $I_{ZT} = 1.0 \text{ mA}$ Test Temperatures: -55, 0, +25, +75, +100°C					
1N4770A	0.141	0.01	200	250 ②	51
1N4771A	0.070	0.005	200	250 ②	51
1N4772A	0.028	0.002	200	250 ②	51
1N4773A	0.014	0.001	200	250 ②	51
1N4774A	0.007	0.0005	200	250 ②	51

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 19</b> $V_Z = 9.3 \text{ V} \pm 5\%$ at $I_{ZT} = 10 \text{ mA}$ Test Temperatures: 0, 25, 75°C					
1N2620	0.070	0.01	15	750 ②	52
1N2621	0.035	0.005	15	750 ②	52
1N2622	0.014	0.002	15	750 ②	52
1N2623	0.007	0.001	15	750 ②	52
1N2624	0.003	0.0005	15	750 ②	52

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 20</b> $V_Z = 9.3 \text{ V} \pm 5\%$ at $I_{ZT} = 10 \text{ mA}$ Test Temperatures: -55, 0, +25, +75, +100°C					
1N2620A	0.144	0.01	15	750 ②	52
1N2621A	0.072	0.005	15	750 ②	52
1N2622A	0.029	0.002	15	750 ②	52
1N2623A	0.014	0.001	15	750 ②	52
1N2624A	0.007	0.0005	15	750 ②	52

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
<b>TABLE 21</b> $V_Z = 9.3 \text{ V} \pm 5\%$ at $I_{ZT} = 10 \text{ mA}$ Test Temperatures: -55, 0, +75, +100, +150°C					
1N2620B	0.191	0.01	15	750 ②	52
1N2621B	0.095	0.005	15	750 ②	52
1N2622B	0.038	0.002	15	750 ②	52
1N2623B	0.019	0.001	15	750 ②	52
1N2624B	0.010	0.0005	15	750 ②	52

①  $T_J = -65 \text{ to } +150^\circ\text{C}$

②  $T_J = -65 \text{ to } +175^\circ\text{C}$

† The indicated power rating is recommended for conservative design limits in critical high reliability applications. Registered power ratings vary from 250 mW to 500 mW. All devices indicated are supplied in the 400 mW glass package.