

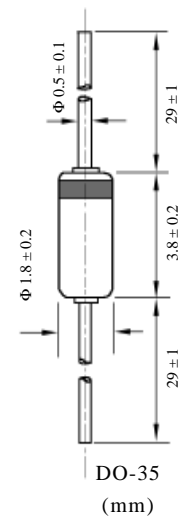
**1N9 SERIES  
ZENER DIODES**

**1N9 系列稳压二极管**

**1N9 SERIES ZENER DIODES**

(T<sub>A</sub> = 25°C, V<sub>F</sub> = 1.5V, Max for all types) 所有型号在: T<sub>A</sub> = 25°C, V<sub>F</sub> 最大值为 1.5V I<sub>F</sub> = 200mA.

| 型号<br>TYPE | 稳压值<br>Nominal<br>Zener<br>Voltage<br>V <sub>Z</sub> @I <sub>ZT</sub><br>Volts | 测试电流<br>Test<br>Current<br>I <sub>ZT</sub><br>mA | 最大动态阻抗<br>Max Zener Impedance<br>A and B Suffix only |                                          |                                        | 漏电流<br>Max Reverse<br>Leakage Current |                         | 最大稳压电流<br>Maximun<br>DC Zener<br>Current<br>mA | 外型尺寸<br>Package<br>Dimensions |
|------------|--------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------|------------------------------------------|----------------------------------------|---------------------------------------|-------------------------|------------------------------------------------|-------------------------------|
|            |                                                                                |                                                  | Z <sub>ZT</sub> @I <sub>ZT</sub><br>Ohms             | Z <sub>ZK</sub> @I <sub>ZK</sub><br>Ohms | Z <sub>ZK</sub> @I <sub>ZK</sub><br>mA | I <sub>R</sub><br>μA/MAX              | V <sub>R</sub><br>Volts |                                                |                               |
| 1N957B     | 6.8                                                                            | 18.5                                             | 4.5                                                  |                                          | 1                                      | 150                                   | 5.2                     | 47                                             |                               |
| 1N958B     | 7.5                                                                            | 16.5                                             | 5.5                                                  |                                          | 0.5                                    | 75                                    | 5.7                     | 42                                             |                               |
| 1N959B     | 8.2                                                                            | 15                                               | 6.5                                                  | 700                                      | 0.5                                    | 50                                    | 6.2                     | 38                                             |                               |
| 1N960B     | 9.1                                                                            | 14                                               | 7.5                                                  |                                          | 0.5                                    | 25                                    | 6.9                     | 35                                             |                               |
| 1N961B     | 10                                                                             | 12.5                                             | 8.5                                                  |                                          | 0.25                                   | 10                                    | 7.6                     | 32                                             |                               |
| 1N962B     | 11                                                                             | 11.5                                             | 9.5                                                  |                                          | 0.25                                   | 5                                     | 8.4                     | 28                                             |                               |
| 1N963B     | 12                                                                             | 10.5                                             | 11.5                                                 | 700                                      |                                        |                                       | 9.1                     | 26                                             |                               |
| 1N964B     | 13                                                                             | 9.5                                              | 13                                                   | 700                                      |                                        |                                       | 9.9                     | 24                                             |                               |
| 1N965B     | 15                                                                             | 8.5                                              | 16                                                   | 700                                      | 0.25                                   | 5                                     | 11.4                    | 21                                             |                               |
| 1N966B     | 16                                                                             | 7.8                                              | 17                                                   | 700                                      |                                        |                                       | 12.6                    | 19                                             |                               |
| 1N967B     | 18                                                                             | 7.0                                              | 21                                                   | 750                                      |                                        |                                       | 13.7                    | 17                                             |                               |
| 1N968B     | 20                                                                             | 6.2                                              | 25                                                   | 750                                      |                                        |                                       | 15.2                    | 15                                             |                               |
| 1N969B     | 22                                                                             | 5.6                                              | 29                                                   | 750                                      |                                        |                                       | 16.7                    | 14                                             |                               |
| 1N970B     | 24                                                                             | 5.2                                              | 33                                                   | 750                                      |                                        |                                       | 18.2                    | 13                                             |                               |
| 1N971B     | 27                                                                             | 4.6                                              | 41                                                   | 750                                      | 0.25                                   | 5                                     | 20.6                    | 11                                             |                               |
| 1N972B     | 30                                                                             | 4.2                                              | 49                                                   | 1000                                     |                                        |                                       | 22.8                    | 10                                             |                               |
| 1N973B     | 33                                                                             | 3.8                                              | 58                                                   | 1000                                     |                                        |                                       | 25.1                    | 9.2                                            |                               |
| 1N974B     | 36                                                                             | 3.4                                              | 70                                                   | 1000                                     |                                        |                                       | 27.4                    | 8.5                                            |                               |
| 1N975B     | 39                                                                             | 3.2                                              | 80                                                   | 1000                                     |                                        |                                       | 29.7                    | 7.8                                            |                               |
| 1N976B     | 43                                                                             | 3.0                                              | 93                                                   | 1500                                     |                                        |                                       | 32.7                    | 7.0                                            |                               |
| 1N977B     | 47                                                                             | 2.7                                              | 105                                                  | 1500                                     | 0.25                                   | 5                                     | 35.8                    | 6.4                                            |                               |
| 1N978B     | 51                                                                             | 2.5                                              | 125                                                  | 1500                                     |                                        |                                       | 38.8                    | 5.9                                            |                               |
| 1N979B     | 56                                                                             | 2.2                                              | 150                                                  | 2000                                     |                                        |                                       | 42.6                    | 5.4                                            |                               |
| 1N980B     | 62                                                                             | 2.0                                              | 185                                                  | 2000                                     |                                        |                                       | 47.1                    | 4.9                                            |                               |
| 1N981B     | 68                                                                             | 1.8                                              | 230                                                  | 2000                                     |                                        |                                       | 51.7                    | 4.5                                            |                               |
| 1N982B     | 75                                                                             | 1.7                                              | 270                                                  | 2000                                     |                                        |                                       | 56.0                    | 4.1                                            |                               |
| 1N983B     | 82                                                                             | 1.5                                              | 330                                                  | 3000                                     | 0.25                                   | 5                                     | 62.2                    | 3.7                                            |                               |
| 1N984B     | 91                                                                             | 1.4                                              | 400                                                  | 3000                                     |                                        |                                       | 69.2                    | 3.3                                            |                               |
| 1N985B     | 100                                                                            | 1.3                                              | 500                                                  | 3000                                     |                                        |                                       | 76.0                    | 3.0                                            |                               |
| 1N986B     | 110                                                                            | 1.1                                              | 750                                                  | 4000                                     |                                        |                                       | 83.6                    | 2.7                                            |                               |
| 1N987B     | 120                                                                            | 1.0                                              | 900                                                  | 4500                                     |                                        |                                       | 91.2                    | 2.5                                            |                               |
| 1N988B     | 130                                                                            | 0.95                                             | 1100                                                 | 5000                                     |                                        |                                       | 98.8                    | 2.3                                            |                               |
| 1N989B     | 150                                                                            | 0.85                                             | 1500                                                 | 6000                                     | 0.25                                   | 5                                     | 114                     | 2.0                                            |                               |
| 1N990B     | 160                                                                            | 0.8                                              | 1700                                                 | 6500                                     |                                        |                                       | 121.6                   | 1.9                                            |                               |
| 1N991B     | 180                                                                            | 0.68                                             | 2200                                                 | 7100                                     |                                        |                                       | 136.8                   | 1.7                                            |                               |
| 1N992B     | 200                                                                            | 0.65                                             | 2500                                                 | 8000                                     |                                        |                                       | 152                     | 1.5                                            |                               |



Tolerance Designation

The type numbers shown have tolerance designations as follows:

1N957B Series: V<sub>Z</sub> ±5%, C for V<sub>Z</sub> ±2%

NOTE1.TOLERANCE AND VOLTAGE DESIGNATION

1N957B 系列 B 档容差额 ±5%, C 档容差额 ±2%