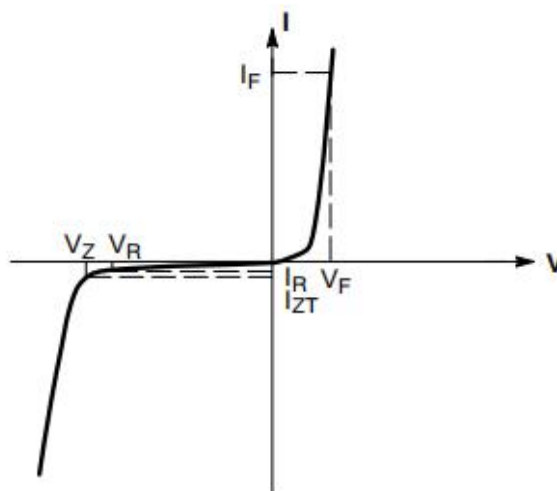


LL-41 Surface Mounted Zener Diode 表面贴装稳压二极管



■ Absolute Maximum Ratings 最大额定值

| Characteristic<br>特性参数                      | Symbol<br>符号                                | Rat<br>额定值         | Unit<br>单位 |
|---|---|--------------------|------------|
| Power dissipation<br>耗散功率                   | PD<br>(Ta=25°C)                             | 1000               | mW         |
| Thermal Resistance Junction-Ambient<br>热阻   | R <sub>θJA</sub>                            | 175                | °C/W       |
| Forward Voltage<br>正向电压                     | V <sub>F</sub><br>(@ I <sub>F</sub> =200mA) | 1.2                | V          |
| Reverse Voltage<br>反向电压                     | V <sub>Z</sub>                              | 3.3-56             | V          |
| Junction and Storage Temperature<br>结温和储藏温度 | T <sub>J</sub> , T <sub>stg</sub>           | 175°C, -55to+175°C |            |



■ Electrical Characteristics 电特性

(T<sub>A</sub>=25°C unless otherwise noted 如无特殊说明, 温度为 25°C)

| Device Type | Vz@Izt<br>(Volts) | Izt<br>(mA) | Zzt@Izt<br>( $\Omega$ ) | Izk<br>(mA) | Zzk @Izk<br>( $\Omega$ ) | IR@VR<br>(mA) | VR<br>(Volts) |
|-------------|-------------------|-------------|-------------------------|-------------|--------------------------|---------------|---------------|
| ZM4728A     | 3.3               | 76          | 10                      | 1           | 400                      | 100           | 1             |
| ZM4729A     | 3.6               | 69          | 10                      | 1           | 400                      | 100           | 1             |
| ZM4730A     | 3.9               | 64          | 9                       | 1           | 400                      | 50            | 1             |
| ZM4731A     | 4.3               | 58          | 9                       | 1           | 400                      | 10            | 1             |
| ZM4732A     | 4.7               | 53          | 8                       | 1           | 500                      | 10            | 1             |
| ZM4733A     | 5.1               | 49          | 7                       | 1           | 550                      | 10            | 1             |
| ZM4734A     | 5.6               | 45          | 5                       | 1           | 600                      | 10            | 2             |
| ZM4735A     | 6.2               | 41          | 2                       | 1           | 700                      | 10            | 3             |
| ZM4736A     | 6.8               | 37          | 3.5                     | 1           | 700                      | 10            | 4             |
| ZM4737A     | 7.5               | 34          | 4                       | 0.5         | 700                      | 10            | 5             |
| ZM4738A     | 8.2               | 31          | 4.5                     | 0.5         | 700                      | 10            | 6             |
| ZM4739A     | 9.1               | 28          | 5                       | 0.5         | 700                      | 10            | 7             |
| ZM4740A     | 10                | 25          | 7                       | 0.25        | 700                      | 10            | 7.6           |
| ZM4741A     | 11                | 23          | 8                       | 0.25        | 700                      | 5             | 8.4           |
| ZM4742A     | 12                | 21          | 9                       | 0.25        | 700                      | 5             | 9.1           |
| ZM4743A     | 13                | 19          | 10                      | 0.25        | 700                      | 5             | 9.9           |
| ZM4744A     | 15                | 17          | 14                      | 0.25        | 700                      | 5             | 11.4          |
| ZM4745A     | 16                | 15.5        | 16                      | 0.25        | 700                      | 5             | 12.2          |
| ZM4746A     | 18                | 14          | 20                      | 0.25        | 700                      | 5             | 13.7          |
| ZM4747A     | 20                | 12.5        | 22                      | 0.25        | 750                      | 5             | 15.2          |
| ZM4748A     | 22                | 11.5        | 23                      | 0.25        | 750                      | 5             | 16.7          |
| ZM4749A     | 24                | 10.5        | 25                      | 0.25        | 750                      | 5             | 18.2          |
| ZM4750A     | 27                | 9.5         | 35                      | 0.25        | 750                      | 5             | 20.6          |
| ZM4751A     | 30                | 8.5         | 40                      | 0.25        | 1000                     | 5             | 22.8          |
| ZM4752A     | 33                | 7.5         | 45                      | 0.25        | 1000                     | 5             | 25.1          |
| ZM4753A     | 36                | 7           | 50                      | 0.25        | 1000                     | 5             | 27.4          |
| ZM4754A     | 39                | 6.5         | 60                      | 0.25        | 1000                     | 5             | 29.7          |
| ZM4755A     | 43                | 6           | 70                      | 0.25        | 1500                     | 5             | 32.7          |
| ZM4756A     | 47                | 5.5         | 80                      | 0.25        | 1500                     | 5             | 35.8          |
| ZM4757A     | 51                | 5           | 95                      | 0.25        | 1500                     | 5             | 38.8          |
| ZM4758A     | 56                | 4.5         | 110                     | 0.25        | 2000                     | 5             | 42.6          |

■Dimension 外形封装尺寸



| D<br>I<br>M | LL-41 MELF  |      |        |       |
|-------------|-------------|------|--------|-------|
|             | Millimeters |      | Inches |       |
|             | Min         | Max  | Min    | Max   |
| A           | 4.80        | 5.20 | 0.189  | 0.205 |
| B           | 2.39        | 2.66 | 0.094  | 0.105 |
| C           | 0.41        | 0.55 | 0.016  | 0.022 |