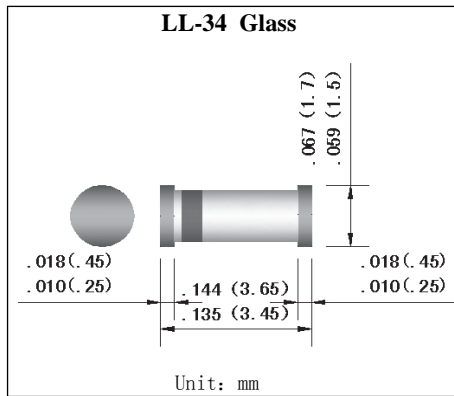


特征 Features



- 反向漏电流小。 Low reverse leakage
- 齐纳击穿阻抗低。 Low zener impedance
- 最大功率耗散500mW。 Maximum power dissipation of 500 mW
- 高稳定性和可靠性。 High stability and high reliability
- 引线 and 管体皆符合RoHS标准。
Lead and body according with RoHS standard

机械数据 Mechanical Data

- 封装: LL-34 玻璃封装 Case: LL-34 Glass Case
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性 TA = 25°C 除非另有规定。

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

| 参数 Parameter | 符号 Symbols | 数值 Value | 单位 Unit |
|-------------------------------------|----------------|--------------|---------|
| 功率消耗 Power Dissipation | Pd | 500 | mW |
| 工作结温 Operating junction temperature | T _j | 175 | °C |
| 存储温度 Storage temperature range | T _s | -55 --- +150 | °C |

电特性 TA = 25°C

Electrical Characteristics Ratings at 25°C ambient temperature

V_F ≤ 1.1V @I_F = 200mA

| 型号 Type | 稳压范围 Zener Voltage | | | 反向特性 Reverse Current | | | 动态电阻 Dynamic Resistance | |
|------------|-----------------------|---------|---------|-------------------------|---------------------|------------------------|----------------------------|------------------------|
| | V _Z (V) | | | 测试条件 Test condition | I _R (μA) | 测试条件 Test condition | rd(Ω) | 测试条件 Test condition |
| | 额定值Nom. | 最小值MIN. | 最大值MAX. | I _Z (mA) | 最大值 MAX. | V _R (V) | 最大值 MAX. | I _Z (mA) |
| ZMM5221B | 2.4 | 2.28 | 2.52 | 20 | 100 | 1.0 | 30 | 20 |
| ZMM5222B | 2.5 | 2.38 | 2.63 | 20 | 100 | 1.0 | 30 | 20 |
| ZMM5223B | 2.7 | 2.57 | 2.83 | 20 | 75 | 1.0 | 30 | 20 |
| ZMM5224B | 2.8 | 2.66 | 2.94 | 20 | 75 | 1.0 | 30 | 20 |
| ZMM5225B | 3.0 | 2.85 | 3.15 | 20 | 50 | 1.0 | 29 | 20 |
| ZMM5226B | 3.3 | 3.13 | 3.46 | 20 | 25 | 1.0 | 28 | 20 |
| ZMM5227B | 3.6 | 3.42 | 3.78 | 20 | 15 | 1.0 | 24 | 20 |
| ZMM5228B | 3.9 | 3.71 | 4.09 | 20 | 10 | 1.0 | 23 | 20 |
| ZMM5229B | 4.3 | 4.09 | 4.51 | 20 | 5 | 1.0 | 22 | 20 |
| ZMM5230B | 4.7 | 4.47 | 4.93 | 20 | 5 | 2.0 | 19 | 20 |
| ZMM5231B | 5.1 | 4.85 | 5.35 | 20 | 5 | 2.0 | 17 | 20 |
| ZMM5232B | 5.6 | 5.32 | 5.88 | 20 | 5 | 3.0 | 11 | 20 |
| ZMM5233B | 6.0 | 5.70 | 6.30 | 20 | 5 | 3.5 | 7 | 20 |
| ZMM5234B | 6.2 | 5.89 | 6.51 | 20 | 3 | 4.0 | 7 | 20 |
| ZMM5235B | 6.8 | 6.46 | 7.14 | 20 | 3 | 5.0 | 5 | 20 |
| ZMM5236B | 7.5 | 7.13 | 7.87 | 20 | 3 | 6.0 | 6 | 20 |
| ZMM5237B | 8.2 | 7.79 | 8.61 | 20 | 3 | 6.5 | 8 | 20 |
| ZMM5238B | 8.7 | 8.27 | 9.13 | 20 | 3 | 6.5 | 8 | 20 |

| 型号 Type | 稳压范围 Zener Voltage | | | 反向特性 Reverse Current | | | 动态电阻 Dynamic Resistance | |
|------------|-----------------------|---------|---------|-------------------------|---------------------|------------------------|----------------------------|------------------------|
| | V _Z (V) | | | 测试条件 Test condition | I _R (μA) | 测试条件 Test condition | rd(Ω) | 测试条件 Test condition |
| | 额定值Nom. | 最小值MIN. | 最大值MAX. | I _Z (mA) | 最大值 MAX. | V _R (V) | 最大值 MAX. | I _Z (mA) |
| ZMM5239B | 9.1 | 8.65 | 9.55 | 20 | 3 | 7.0 | 10 | 20 |
| ZMM5240B | 10 | 9.50 | 10.50 | 20 | 3 | 8.0 | 17 | 20 |
| ZMM5241B | 11 | 10.45 | 11.55 | 20 | 2 | 8.4 | 22 | 20 |
| ZMM5242B | 12 | 11.40 | 12.60 | 20 | 1 | 9.1 | 30 | 20 |
| ZMM5243B | 13 | 12.35 | 13.65 | 9.5 | 0.5 | 9.9 | 13 | 9.5 |
| ZMM5244B | 14 | 13.30 | 14.70 | 9.0 | 0.1 | 10 | 15 | 9.0 |
| ZMM5245B | 15 | 14.25 | 15.75 | 8.5 | 0.1 | 11 | 16 | 8.5 |
| ZMM5246B | 16 | 15.20 | 16.80 | 7.8 | 0.1 | 12 | 17 | 7.8 |
| ZMM5247B | 17 | 16.15 | 17.85 | 7.4 | 0.1 | 13 | 19 | 7.4 |
| ZMM5248B | 18 | 17.10 | 18.90 | 7.0 | 0.1 | 14 | 21 | 7.0 |
| ZMM5249B | 19 | 18.05 | 19.95 | 6.6 | 0.1 | 14 | 23 | 6.6 |
| ZMM5250B | 20 | 19.00 | 21.00 | 6.2 | 0.1 | 15 | 25 | 6.2 |
| ZMM5251B | 22 | 20.90 | 23.10 | 5.6 | 0.1 | 17 | 29 | 5.6 |
| ZMM5252B | 24 | 22.80 | 25.20 | 5.2 | 0.1 | 18 | 33 | 5.2 |
| ZMM5253B | 25 | 23.75 | 26.25 | 5.0 | 0.1 | 19 | 35 | 5.0 |
| ZMM5254B | 27 | 25.65 | 28.35 | 4.6 | 0.1 | 21 | 41 | 4.6 |
| ZMM5255B | 28 | 26.60 | 29.40 | 4.5 | 0.1 | 21 | 44 | 4.5 |
| ZMM5256B | 30 | 28.50 | 31.50 | 4.2 | 0.1 | 23 | 49 | 4.2 |
| ZMM5257B | 33 | 31.35 | 34.65 | 3.8 | 0.1 | 25 | 58 | 3.8 |
| ZMM5258B | 36 | 34.20 | 37.80 | 3.4 | 0.1 | 27 | 70 | 3.4 |
| ZMM5259B | 39 | 37.05 | 40.95 | 3.2 | 0.1 | 30 | 80 | 3.2 |
| ZMM5260B | 43 | 40.85 | 45.15 | 3.0 | 0.1 | 33 | 93 | 3.0 |
| ZMM5261B | 47 | 44.65 | 49.35 | 2.7 | 0.1 | 36 | 150 | 2.7 |
| ZMM5262B | 51 | 48.45 | 53.55 | 2.5 | 0.1 | 39 | 125 | 2.5 |
| ZMM5263B | 56 | 53.20 | 58.80 | 2.2 | 0.1 | 43 | 150 | 2.2 |
| ZMM5264B | 60 | 57.0 | 63.0 | 2.1 | 0.1 | 46 | 170 | 2.1 |
| ZMM5265B | 62 | 58.9 | 65.1 | 2.0 | 0.1 | 47 | 185 | 2.0 |
| ZMM5266B | 68 | 64.6 | 71.4 | 1.8 | 0.1 | 52 | 230 | 1.8 |
| ZMM5267B | 75 | 71.25 | 78.75 | 1.7 | 0.1 | 56 | 270 | 1.7 |