

特性/机械性能:
FEATURES/MECHANICAL DATE

- ◆ 小电流下的齐纳阻抗低 Zener shed little electric impedance is low
- ◆ 高可靠性 High reliability
- ◆ 耐焊接热: 250°C/10S, 引出端0.375" (9.5mm) 处。
Welding heat resistance: 250 °C / 10S, terminal 0.375 "(9.5 mm).



LL-34

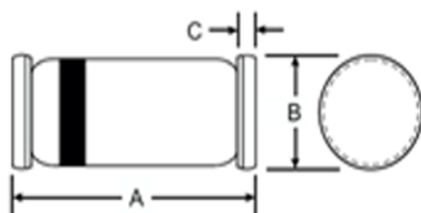
- ◆ 封 装: 玻封 Case: Glass packaging
- ◆ 端 子: 镀锡,无铅, 电镀可焊性符合MIL-STD-202E, 方法208
Terminals: Pure tin plated, lead free, solderable per MIL-STD-202, method 208
- ◆ 极 性: 色环表示阴极 Polarity: Color band denotes cathode
- ◆ 安装位置: 任意 Mounting position: Any

最大额定值及电气特性:
MAXIMUM RATINGS AND CHARACTERISTICS

测量环境温度为25°C, 除非另有规定。

Rating at 25°C ambient temperature unless otherwise specified.

| 参数名称 | Papt Number | 符号Symbol | 数值Value | 单位Unit |
|---------------|---|----------|-------------|--------|
| 齐纳电流 | The zener current | IZ MAX | 见表See table | mA |
| 耗散功率 | Power Dissipation | Pt | 0.5 | W |
| 热阻抗 | Thermal impedance | Rθ (ja) | 300 | °C/W |
| 正向电压@IF=200mA | Forward voltage@IF=200m A | VF | 1.5 | V |
| 结温 | Junction temperature | Tj | 175 | °C |
| 使用及储存温度范围 | Operating and Storage Temperature Range | TJ,TSTG | -65~+175 | °C |

产品外形尺寸:
PRODUCT APPEARANCE SIZE


LL-34

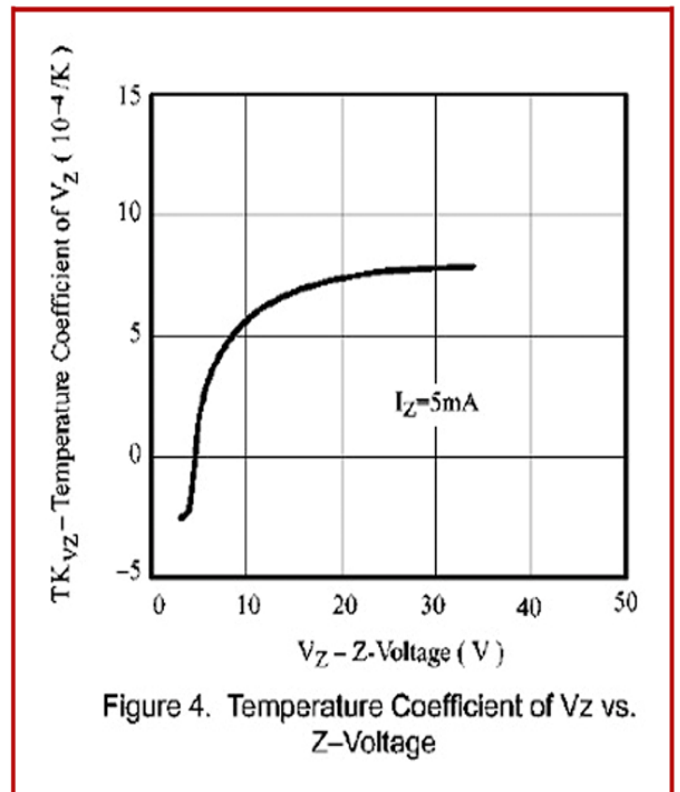
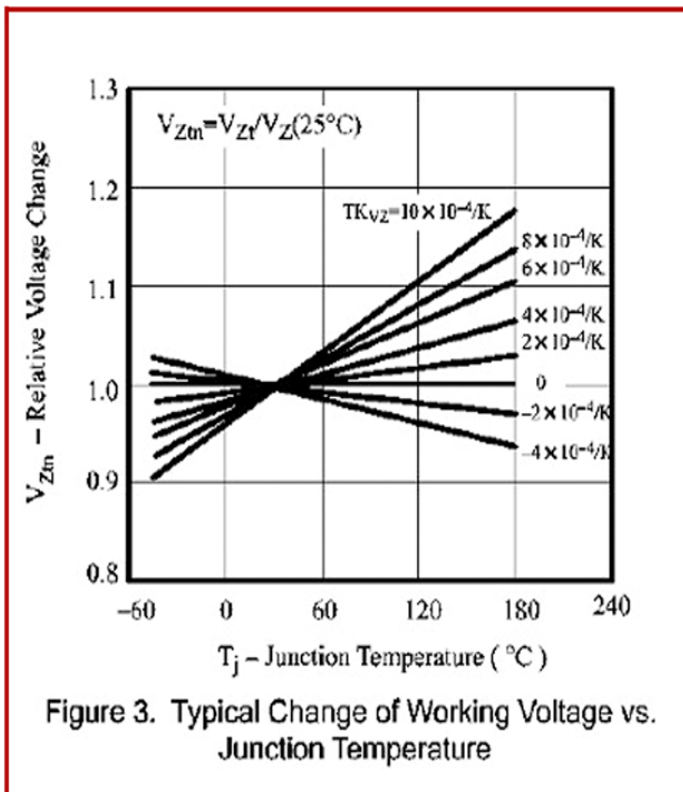
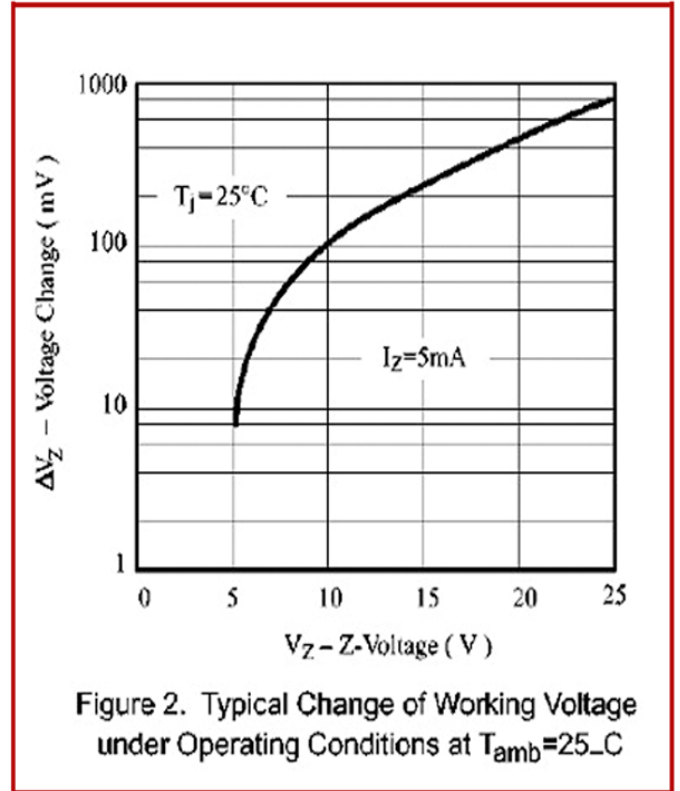
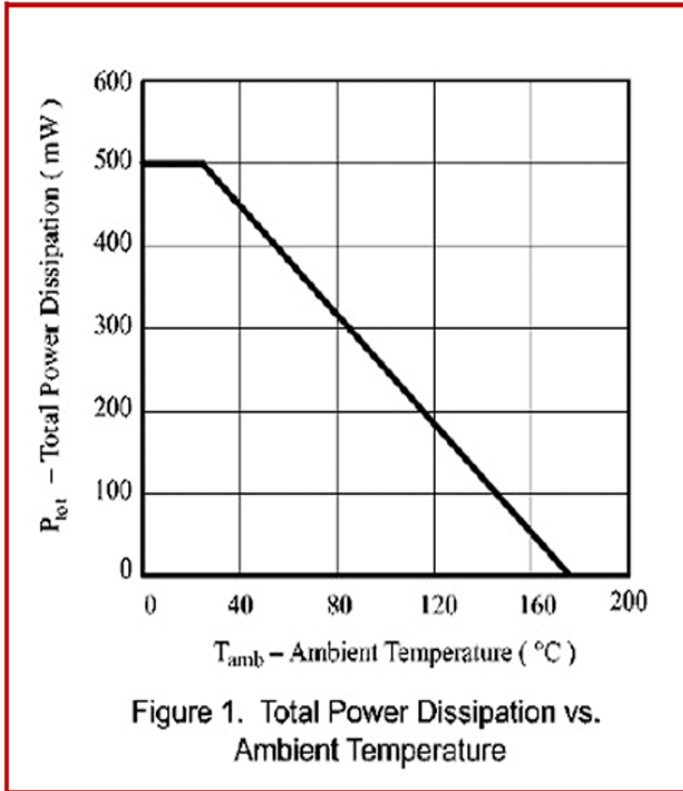
| Minimelf | | |
|----------|------|------|
| Dim | Min | Max |
| A | 3.30 | 3.70 |
| B | 1.30 | 1.60 |
| C | 0.28 | 0.50 |

电特性:
ELECTRICAL CHARACTERISTICS

| 型号 TYPE | 齐纳电压 Zener voltage | | | 测试电流 Test current | 齐纳阻抗 Dynamic resistance | | 测试电流 Test current | 最大反向漏电流 Maximum Leakage Current @VR | | 反向电压 Reverse voltage | 温度系数 Temperature coefficient |
|------------|-----------------------|--------|--------|----------------------|----------------------------|----------|----------------------|--|------------|-------------------------|---------------------------------|
| | Vz min | Vz TYP | Vz max | IZT | ZZT@ IZT | ZZK@ IZK | IZK | IR@T=25°C | IR@T=150°C | VR | @ IZT |
| | V | V | V | mA | Ω | Ω | mA | μA | mA | V | %/ °C |
| ZMM55C2V4 | 2.28 | 2.4 | 2.56 | 5 | <85 | <600 | 1 | <50 | <100 | 1 | -0.09~-0.06 |
| ZMM55C2V7 | 2.5 | 2.7 | 2.9 | 5 | <85 | <600 | 1 | <10 | <50 | 1 | -0.09~-0.06 |
| ZMM55C3V0 | 2.8 | 3.0 | 3.2 | 5 | <90 | <600 | 1 | <4 | <40 | 1 | -0.08~-0.05 |
| ZMM55C3V3 | 3.1 | 3.3 | 3.5 | 5 | <90 | <600 | 1 | <2 | <40 | 1 | -0.08~-0.05 |
| ZMM55C3V6 | 3.4 | 3.6 | 3.8 | 5 | <90 | <600 | 1 | <2 | <40 | 1 | -0.08~-0.05 |
| ZMM55C3V9 | 3.7 | 3.9 | 4.1 | 5 | <90 | <600 | 1 | <2 | <40 | 1 | -0.08~-0.05 |
| ZMM55C4V3 | 4.0 | 4.3 | 4.6 | 5 | <90 | <600 | 1 | <1 | <20 | 1 | -0.06~-0.03 |
| ZMM55C4V7 | 4.4 | 4.7 | 5.0 | 5 | <80 | <600 | 1 | <0.5 | <10 | 1 | -0.05~+0.02 |
| ZMM55C5V1 | 4.8 | 5.1 | 5.4 | 5 | <60 | <550 | 1 | <0.1 | <2 | 1 | -0.02~+0.02 |
| ZMM55C5V6 | 5.2 | 5.6 | 6.0 | 5 | <40 | <450 | 1 | <0.1 | <2 | 1 | -0.05~+0.05 |
| ZMM55C6V2 | 5.8 | 6.2 | 6.6 | 5 | <10 | <200 | 1 | <0.1 | <2 | 2 | 0.03~0.06 |
| ZMM55C6V8 | 6.4 | 6.8 | 7.2 | 5 | <8 | <150 | 1 | <0.1 | <2 | 3 | 0.03~0.07 |
| ZMM55C7V5 | 7.0 | 7.5 | 7.9 | 5 | <7 | <50 | 1 | <0.1 | <2 | 5 | 0.03~0.07 |
| ZMM55C8V2 | 7.7 | 8.2 | 8.7 | 5 | <7 | <50 | 1 | <0.1 | <2 | 6.2 | 0.03~0.08 |
| ZMM55C9V1 | 8.5 | 9.1 | 9.6 | 5 | <10 | <50 | 1 | <0.1 | <2 | 6.8 | 0.03~0.09 |
| ZMM55C10 | 9.4 | 10 | 10.6 | 5 | <15 | <70 | 1 | <0.1 | <2 | 7.5 | 0.03~0.1 |
| ZMM55C11 | 10.4 | 11 | 11.6 | 5 | <20 | <70 | 1 | <0.1 | <2 | 8.2 | 0.03~0.11 |
| ZMM55C12 | 11.4 | 12 | 12.7 | 5 | <20 | <90 | 1 | <0.1 | <2 | 9.1 | 0.03~0.11 |
| ZMM55C13 | 12.4 | 13 | 14.1 | 5 | <26 | <110 | 1 | <0.1 | <2 | 10 | 0.03~0.11 |
| ZMM55C15 | 13.8 | 15 | 15.6 | 5 | <30 | <110 | 1 | <0.1 | <2 | 11 | 0.03~0.11 |
| ZMM55C16 | 15.3 | 16 | 17.1 | 5 | <40 | <170 | 1 | <0.1 | <2 | 12 | 0.03~0.11 |
| ZMM55C18 | 16.8 | 18 | 19.1 | 5 | <50 | <170 | 1 | <0.1 | <2 | 13 | 0.03~0.11 |
| ZMM55C20 | 18.8 | 20 | 21.2 | 5 | <55 | <220 | 1 | <0.1 | <2 | 15 | 0.03~0.11 |
| ZMM55C22 | 20.8 | 22 | 23.3 | 5 | <55 | <220 | 1 | <0.1 | <2 | 16 | 0.04~0.12 |
| ZMM55C24 | 22.8 | 24 | 25.6 | 5 | <80 | <220 | 1 | <0.1 | <2 | 18 | 0.04~0.12 |
| ZMM55C27 | 25.1 | 27 | 28.9 | 5 | <80 | <220 | 1 | <0.1 | <2 | 20 | 0.04~0.12 |
| ZMM55C30 | 28 | 30 | 32 | 5 | <80 | <220 | 1 | <0.1 | <2 | 22 | 0.04~0.12 |
| ZMM55C33 | 31 | 33 | 35 | 5 | <80 | <220 | 1 | <0.1 | <2 | 24 | 0.04~0.12 |
| ZMM55C36 | 34 | 36 | 38 | 5 | <80 | <220 | 1 | <0.1 | <2 | 27 | 0.04~0.12 |
| ZMM55C39 | 37 | 39 | 41 | 2.5 | <90 | <500 | 0.5 | <0.1 | <5 | 30 | 0.04~0.12 |
| ZMM55C43 | 40 | 43 | 46 | 2.5 | <90 | <600 | 0.5 | <0.1 | <5 | 33 | 0.04~0.12 |
| ZMM55C47 | 44 | 47 | 50 | 2.5 | <110 | <700 | 0.5 | <0.1 | <5 | 36 | 0.04~0.12 |
| ZMM55C51 | 48 | 51 | 54 | 2.5 | <125 | <700 | 0.5 | <0.1 | <10 | 39 | 0.04~0.12 |
| ZMM55C56 | 52 | 56 | 60 | 2.5 | <135 | <1000 | 0.5 | <0.1 | <10 | 43 | 0.04~0.12 |
| ZMM55C62 | 58 | 62 | 66 | 2.5 | <150 | <1000 | 0.5 | <0.1 | <10 | 47 | 0.04~0.12 |
| ZMM55C68 | 64 | 68 | 72 | 2.5 | <200 | <1000 | 0.5 | <0.1 | <10 | 51 | 0.04~0.12 |
| ZMM55C75 | 70 | 75 | 79 | 2.5 | <250 | <1500 | 0.5 | <0.1 | <10 | 56 | 0.04~0.12 |

特性曲线图:

RATINGS AND CHARACTERISTIC CURVES



特性曲线图:

RATINGS AND CHARACTERISTIC CURVES

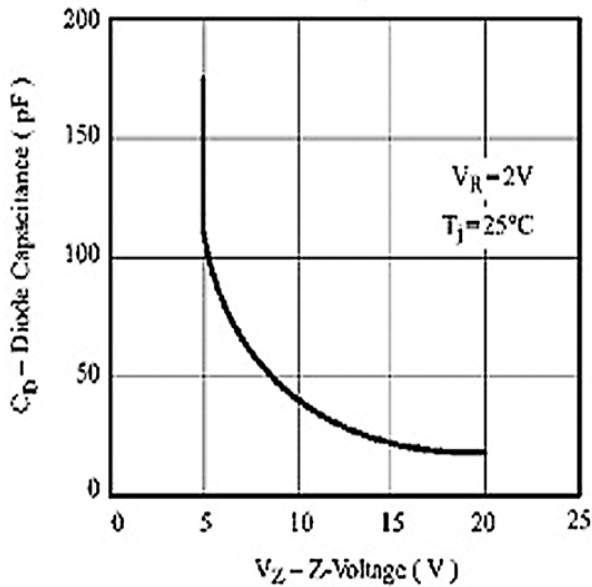


Figure 5. Diode Capacitance vs. Z-Voltage

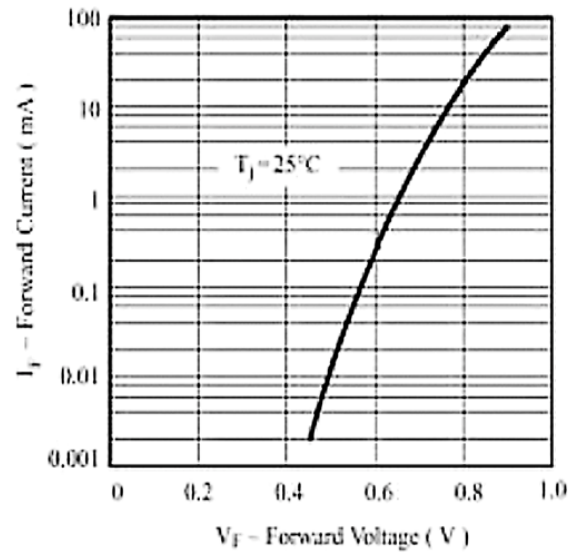


Figure 6. Forward Current vs. Forward Voltage

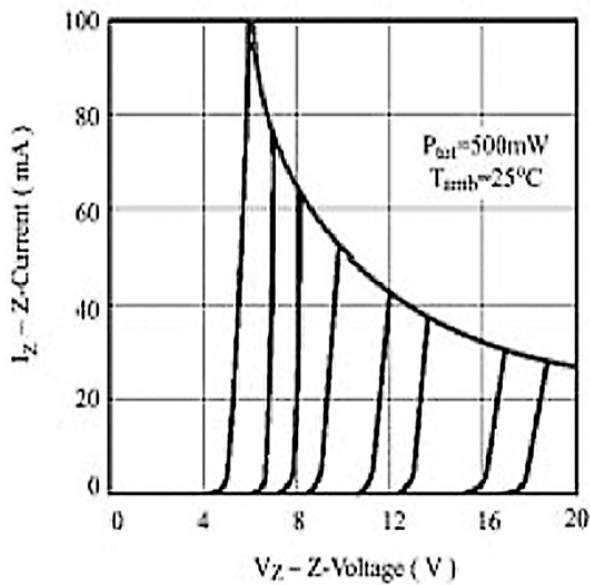


Figure 7. Z-Current vs. Z-Voltage

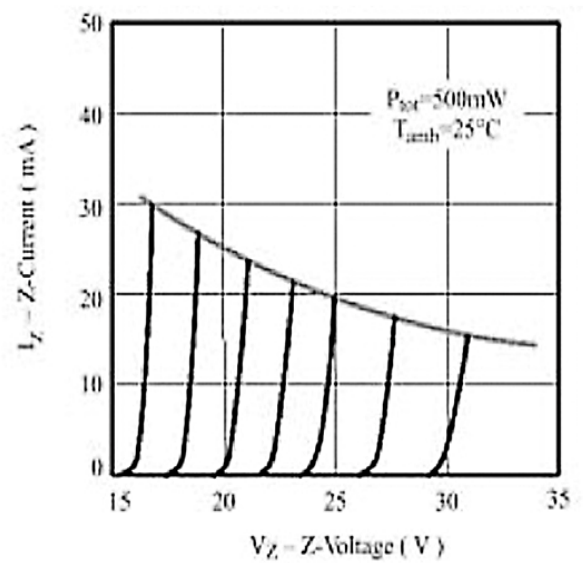


Figure 8. Z-Current vs. Z-Voltage

特性曲线图:

RATINGS AND CHARACTERISTIC CURVES

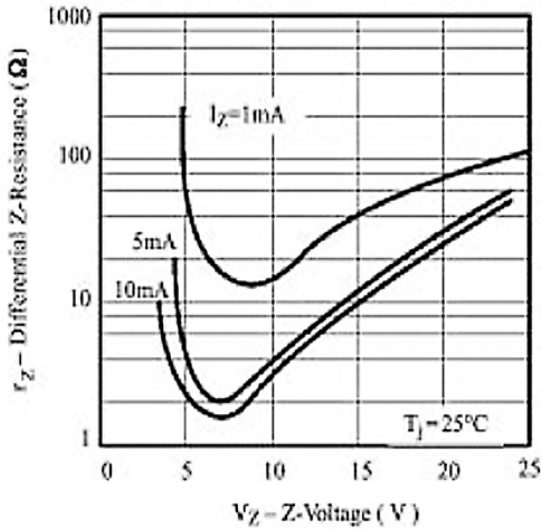


Figure 9. Differential Z-Resistance vs. Z-Voltage

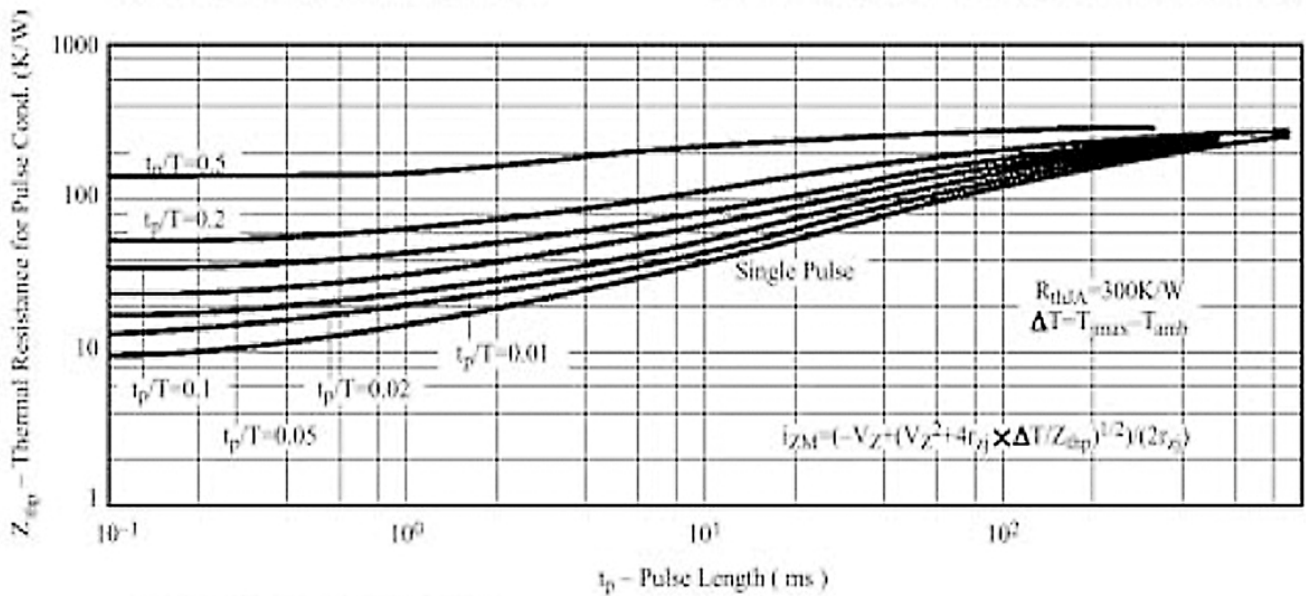


Figure 10. Thermal Response