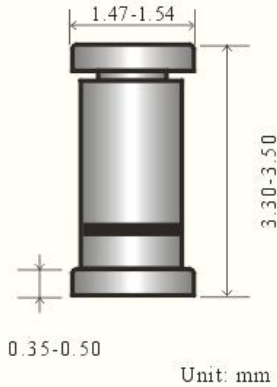


## LL-34 GLASS



## LL-34(Mini-melf)玻璃开关二极管 LL-34(Mini-melf) Glass Switching Diode

### 特征 Features

- 开关速度小于 4.0nS; Fast Switching Device (TRR <4.0 nS)
- 最大功率耗散 500mW; Power Dissipation of 500mW
- 高稳定性和可靠性。High Stability and High Reliability
- 反向漏电流小。Low reverse leakage

### 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.)

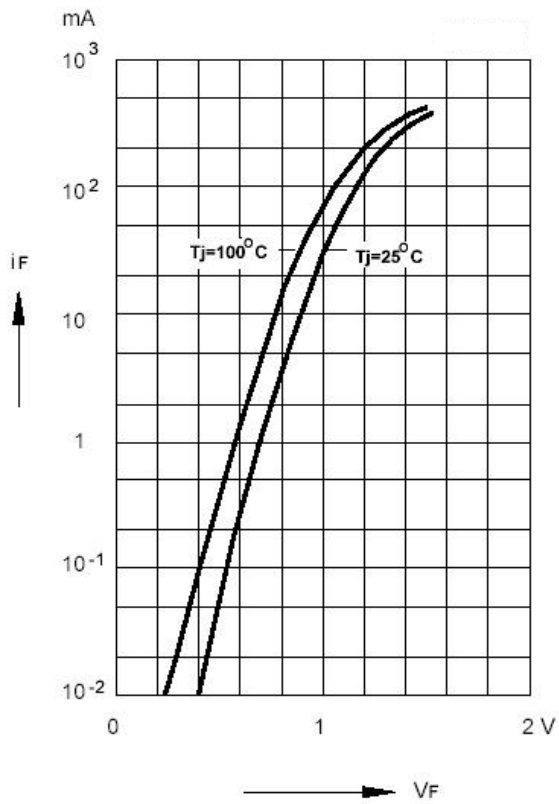
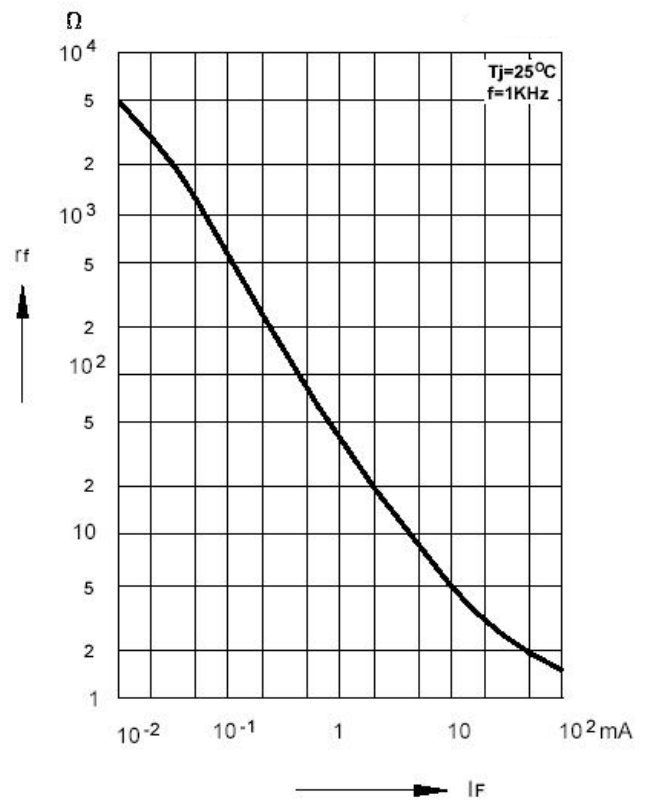
| 参数 Parameters                                 | 符号 Symbol        | 数值 Value | 单位 Unit |
|---|------------------|----------|---------|
| 反向电压 Reverse Voltage                          | V <sub>R</sub>   | 75       | V       |
| 反向峰值电压 Peak Reverse Voltage                   | V <sub>RM</sub>  | 100      | V       |
| 功率消耗 Power Dissipation                        | P <sub>d</sub>   | 500      | mW      |
| 工作结温 Operating junction temperature           | T <sub>j</sub>   | 175      | °C      |
| 存储温度 Storage temperature range                | T <sub>s</sub>   | -65-+200 | °C      |
| 反向工作电压 Working Inverse Voltage                | W <sub>IV</sub>  | 75       | V       |
| 平均整流电流 Average Rectified Current              | I <sub>o</sub>   | 150      | mA      |
| 正向(不重复)电流 Non-repetitive Peak Forward Current | I <sub>FM</sub>  | 450      | mA      |
| 正向(不重复)浪涌电流 Peak Forward Surge Current        | I <sub>FSM</sub> | 2.0      | A       |

@tp=1s; TA=25°C

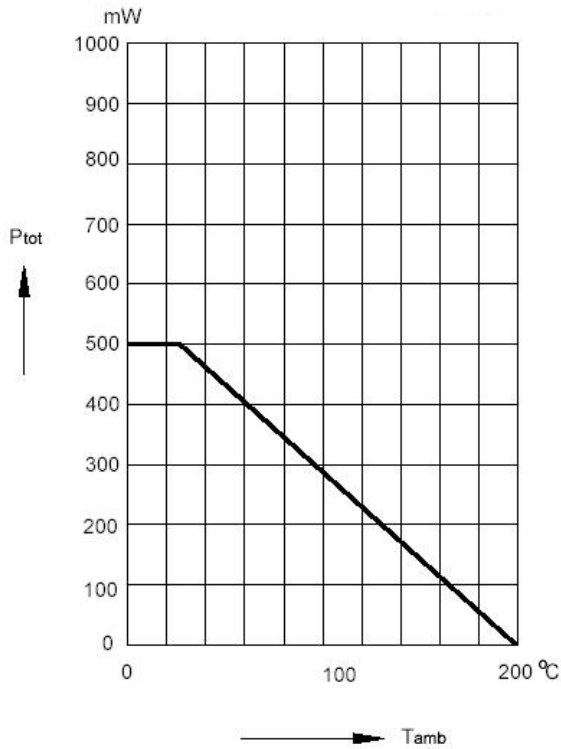
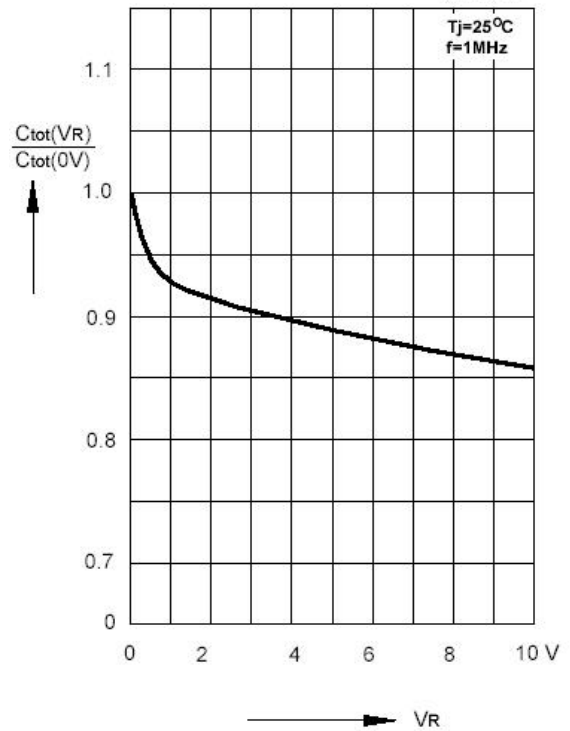
Valid provided that electrodes are kept at ambient temperature.

**电特性 Electrical Characteristics** (Ratings at 25°C ambient temperature unless otherwise specified).

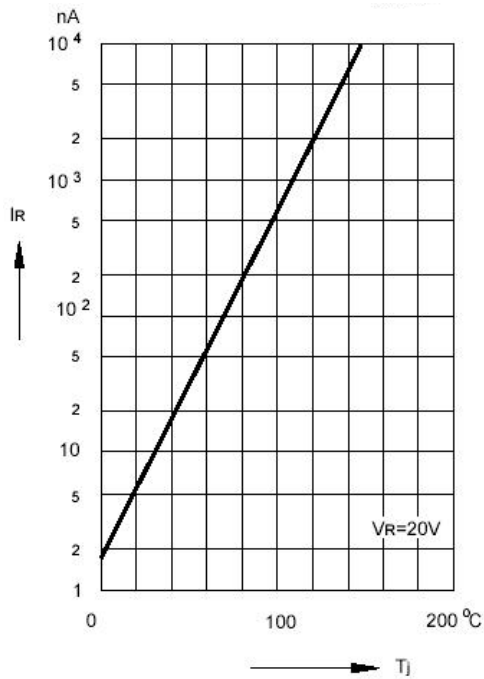
| 符号<br>Symbols  | 参数<br>Parameter                  | 测试条件<br>Test Condition                   | 界限 Limits |     | 单位<br>Unit |
|----------------|----------------------------------|--|-----------|-----|------------|
|                |                                  |  | Min       | Max |            |
| BV             | 反向击穿电压<br>Breakdown Voltage      | IR=100uA                                 | 100       |     | V          |
|                |                                  | IR=5uA                                   | 75        |     |            |
| IR             | 反向漏电流<br>Reverse Leakage Current | VR=20V                                   | ---       | 25  | nA         |
|                |                                  | VR=75                                    | ---       | 5   | uA         |
| V <sub>F</sub> | 正向电压<br>Forward Voltage          | IF=10mA                                  | ---       | 1   | V          |
| TRR            | 反向恢复时间<br>Reverse Recovery Time  | IF= 10mA, IR=1.0mA<br>RL=100Ω<br>IRR=1mA | ---       | 4   | nS         |
| C              | 结电容<br>Capacitance               | VR=0V, f=1MHZ                            | ---       | 4   | pF         |

**Forward characteristics**

**Dynamic forward resistance versus forward current**

**Admissible power dissipation versus ambient temperature**

Valid provided that leads at a distance of 8 mm from case are kept at ambient temperature

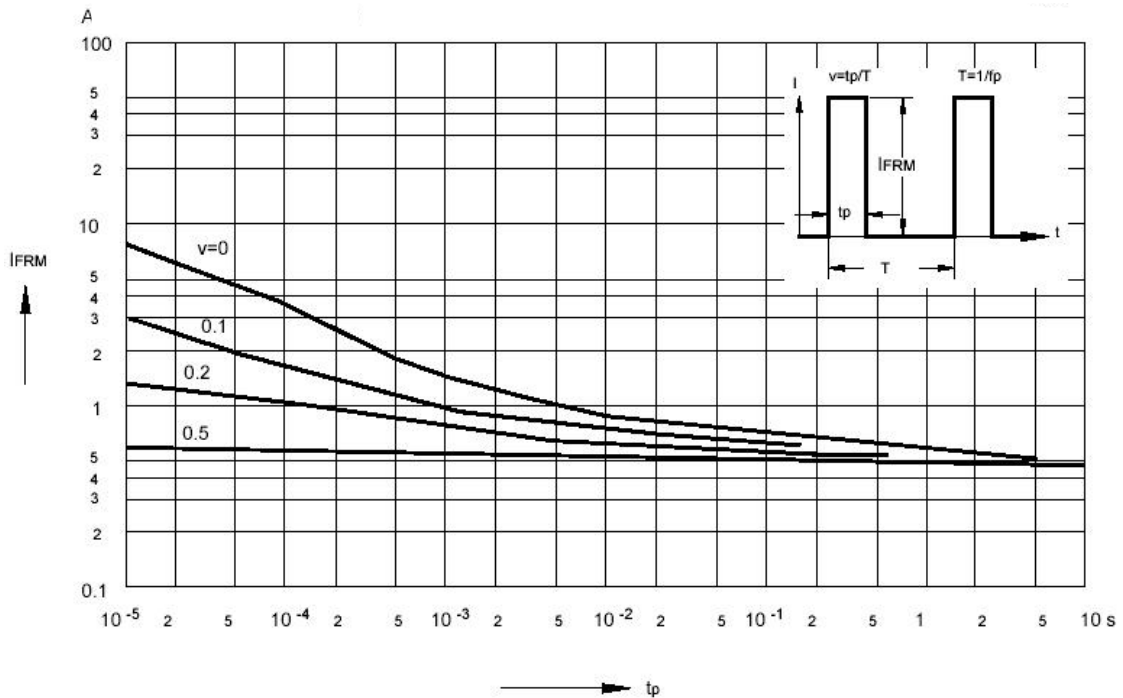

**Relative capacitance versus reverse voltage**


Leakage current versus junction temperature



Admissible repetitive peak forward current versus pulse duration

Valid provided that leads at a distance of 8 mm from case are kept at ambient temperature



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