

**LL-34 High Speed Switching Diode 高速开关二极管**



■ Features 特点

Characteristic 特性参数	Symbol 符号	Value 额定值	Unit 单位
Forward Current 正向电流	$I_F$	200	mA
Peak Forward Surge Current 峰值正向浪涌电流	$I_{FSM}$	500@1S 1000@1mS 4000@1μS	mA
Reverse Voltage 反向电压	$V_R$	75	V
Peak Reverse Voltage 峰值反向电压	$V_{RM}$	100	V
Power dissipation 耗散功率	PD	500( $T_a=25^{\circ}C$ )	mW
Junction and Storage Temperature 结温和储藏温度	$T_J, T_{stg}$	-65to+175 $^{\circ}C$	

■ Electrical Characteristics 电特性

( $T_A=25^{\circ}C$  unless otherwise noted 如无特殊说明, 温度为  $25^{\circ}C$ )

Characteristic 特性参数	Symbol 符号	Min 最小值	Max 最大值	Unit 单位
Reverse Breakdown Voltage 反向击穿电压 ( $I_R=100\mu A$ )	$V_{(BR)}$	100	—	V
Reverse Leakage Current 反向漏电流 ( $V_R=20V$ ) ( $V_R=75V$ ) ( $V_R=20V, T_J=150^{\circ}C$ )	$I_R$	—	25 5 50	nA $\mu A$ $\mu A$
Forward Voltage 正向电压 ( $I_F=10mA$ )	$V_F$	—	1	V
Diode Capacitance 二极管电容 ( $V_R=0V, f=1MHz$ )	$C_D$	—	4	pF
Reverse Recovery Time 反向恢复时间	$T_{rr}$	—	4	nS

■ Typical Characteristic Curve 典型特性曲线

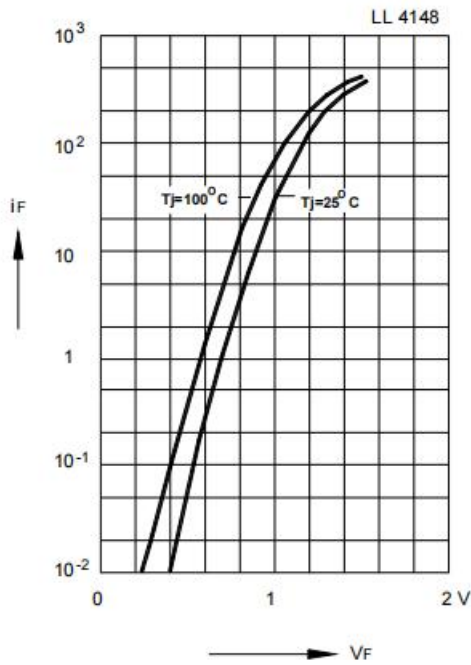


Figure 1: Forward Characteristics

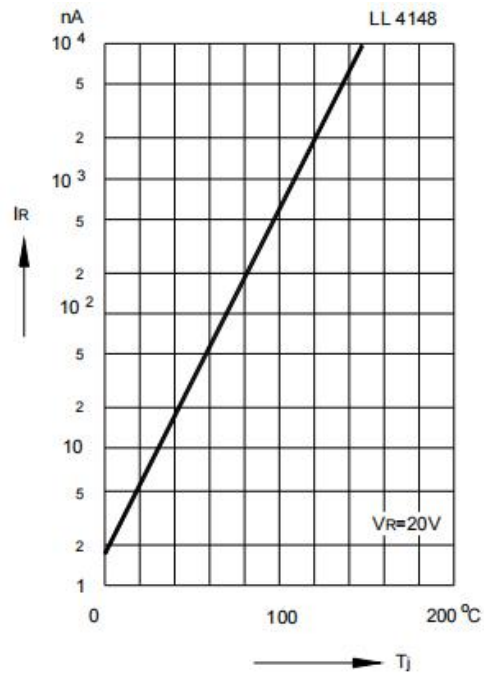


Figure 2: Leakage Current

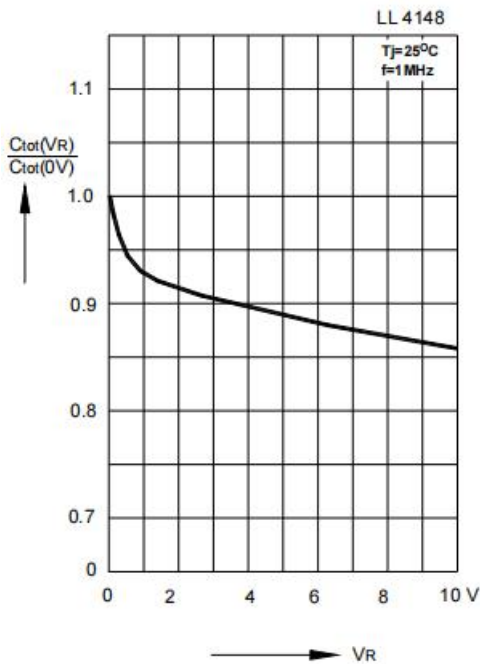


Figure 3: Capacitance Characteristics

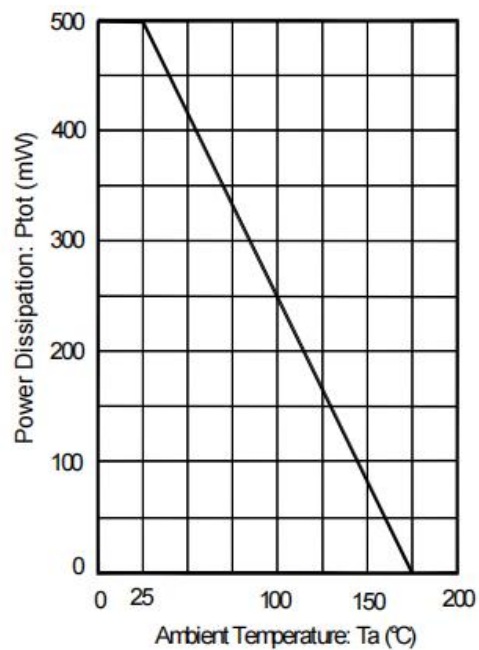
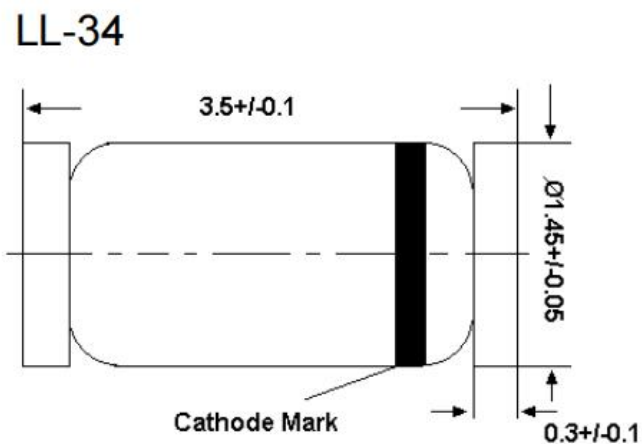


Figure 4: Power Derating Curve

■Dimension 外形封装尺寸



**Glass case MiniMELF**  
**Dimensions in mm**