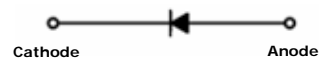
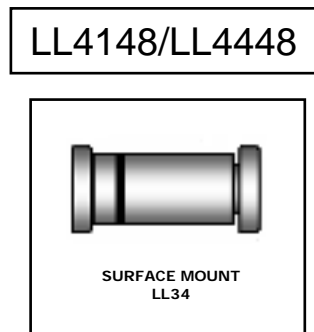


## 500 mW LL-34 Hermetically Sealed Glass Fast Switching Diodes

Pb-Free package is available

### 规格特征 Specification Features:

- 开关速度快 Fast Switching Device (TRR<4.0nS)
- 玻璃密封封装 Hermetically Sealed Glass
- 色环端为负极 1st Band indicates negative polarity or Cathode Band



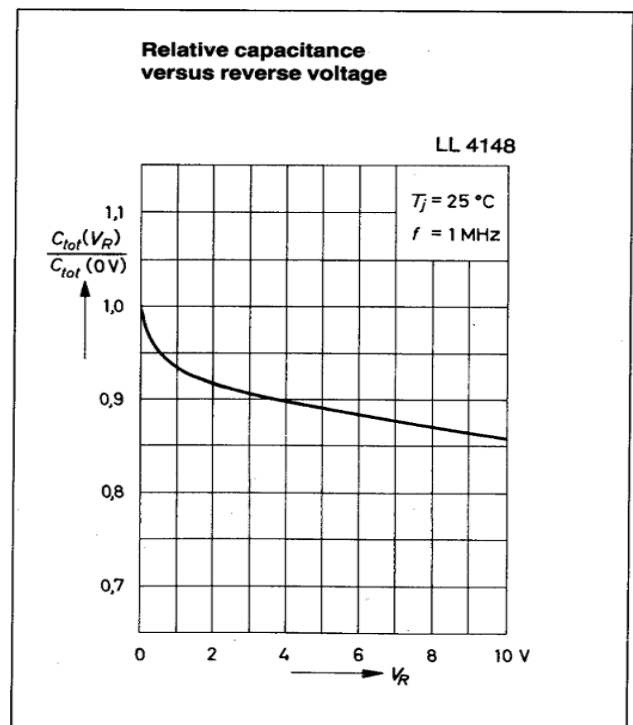
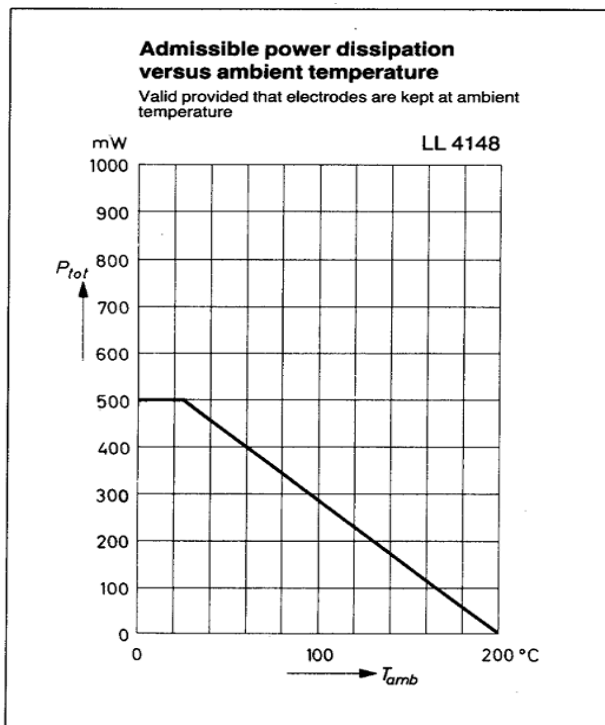
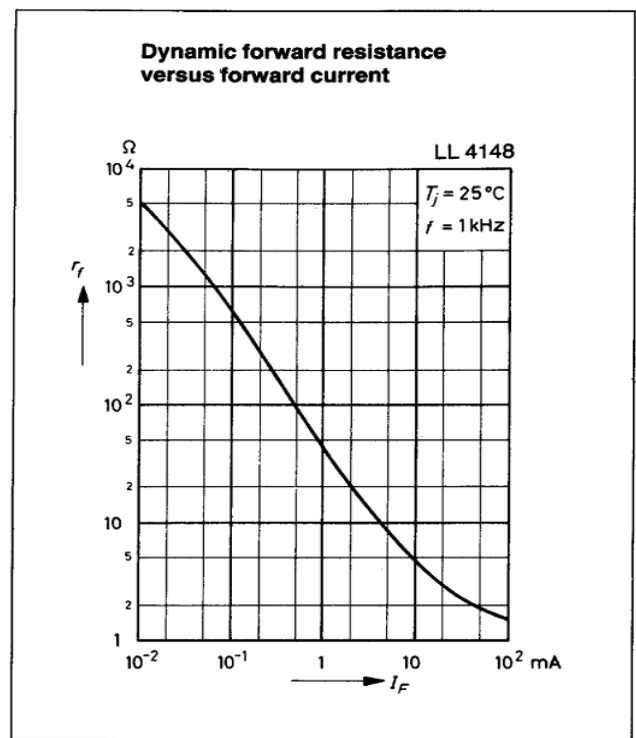
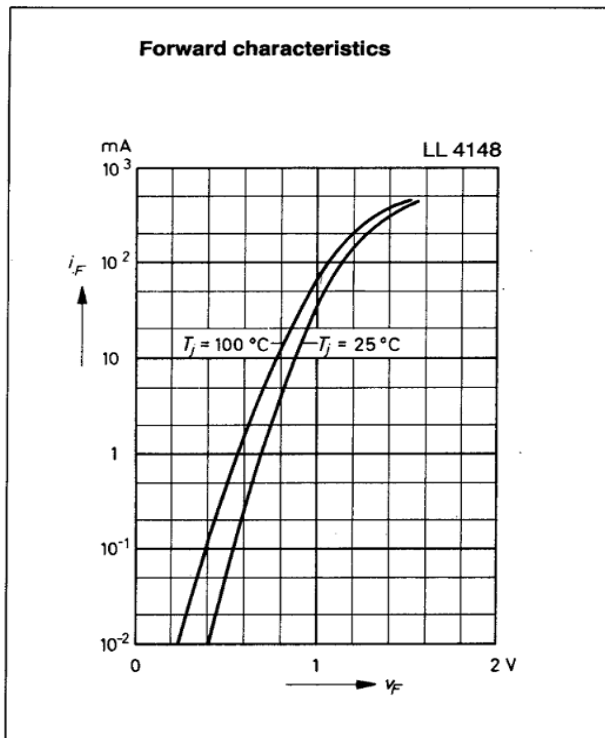
### 极限值和温度特性 Absolute Maximum Ratings & Thermal Characteristics (TA=25 )

参数 Parameter	符号 Symbols	LL4148	LL4448	单位 Unit
不重复反向峰值电压 Non-repetitive Peak Reverse Voltage	V <sub>RM</sub>	100		V
反向峰值电压 Peak repetitive Reverse Voltage	V <sub>RRM</sub>	75		V
最大正向平均电流 Forward Continuous Current	I <sub>FM</sub>	300	500	mA
平均整流输出电流 Average Rectified Output Current	I <sub>O</sub>	150		mA
正向(不重复)浪涌电流 Non-repetitive Peak Forward Surge Current	I <sub>FM</sub>	2		A
功率消耗 Power Dissipation	P <sub>D</sub>	500		mW
工作结温和存储温度 Operating junction and storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-55 - +175		

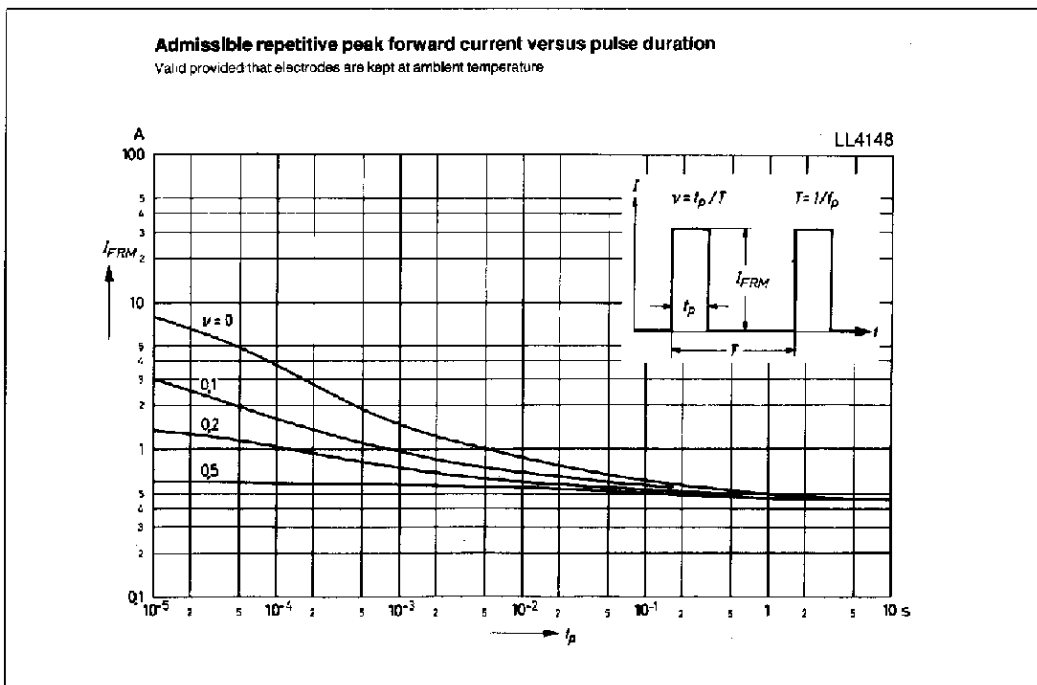
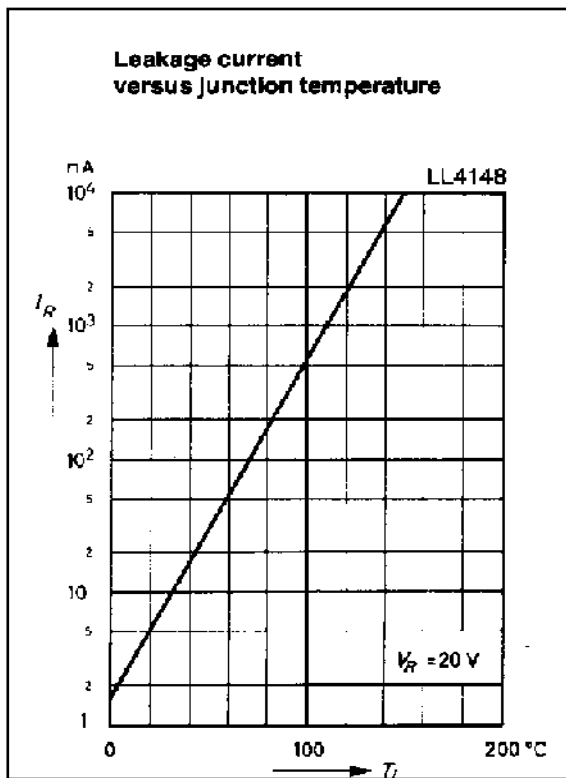
### 电特性 Electrical Characteristics (TA=25 )

符号 Symbols	参数 Parameter	测试条件 Test Condition	界限 Limits		单位 Unit
			Min	Max	
B <sub>V</sub>	Breakdown Voltage 反向击穿电压	I <sub>R</sub> =100uA	100		V
		I <sub>R</sub> =5uA	75		
I <sub>R</sub>	Reverse Leakage Current 反向漏电流	V <sub>R</sub> =20V	---	25	nA
		V <sub>R</sub> =75	---	5	uA
V <sub>F</sub>	Forward Voltage LL4448 正向电压 LL4148 LL4448	I <sub>F</sub> =5mA	0.62	0.72	V
		I <sub>F</sub> =10mA	---	1	
		I <sub>F</sub> =100mA	---	1	
T <sub>RR</sub>	Reverse Recovery Time 反向恢复时间	I <sub>F</sub> = 10mA, I <sub>R</sub> =1.0mA R <sub>L</sub> =100 I <sub>RR</sub> =1mA	---	4	nS
C	Capacitance 结电容	V <sub>R</sub> =0V, f=1MHZ	---	4	pF

## LL4148/LL4448

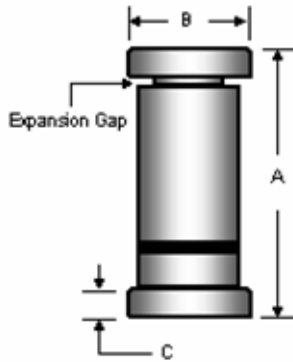


LL4148/LL4448



**LL4148/LL4448**
**Package**

LL-34



DIM	LL-34			
	Millimeters		Inches	
	Min	Max	Min	Max
<b>A</b>	3.302	3.505	0.130	0.138
<b>B</b>	1.39	1.54	0.054	0.060
<b>C</b>	0.350	0.500	0.014	0.020

**Notes:**

1. LL34 polarity denoted by a band.
2. 'Expansion Gap' has no relation to the location of polarity.