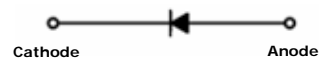
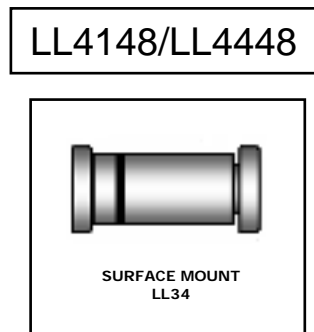


500 mW LL-34 Hermetically Sealed Glass Fast Switching Diodes

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



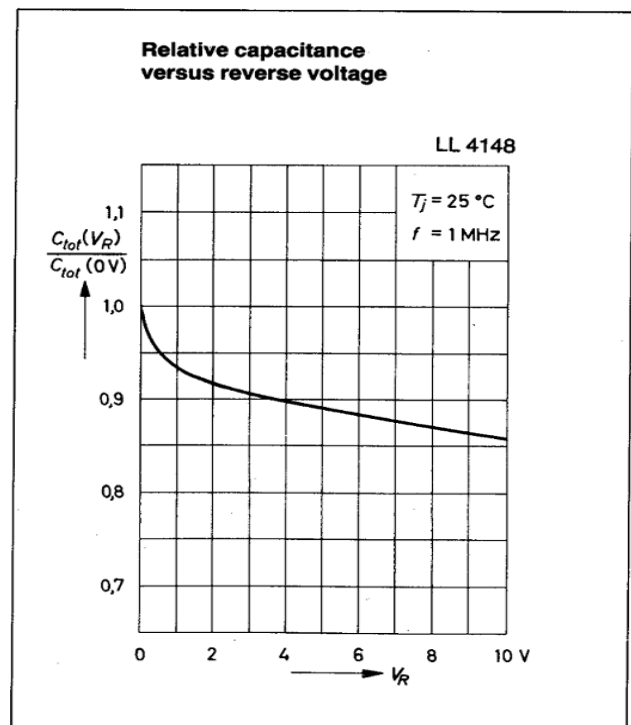
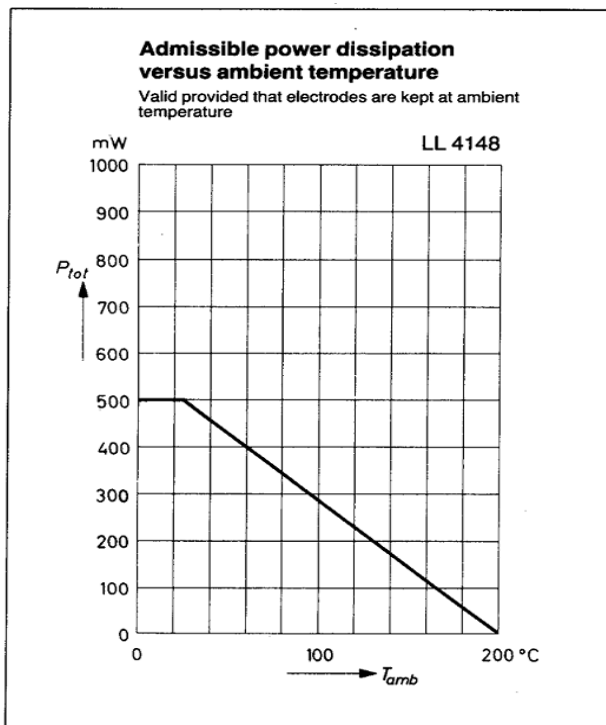
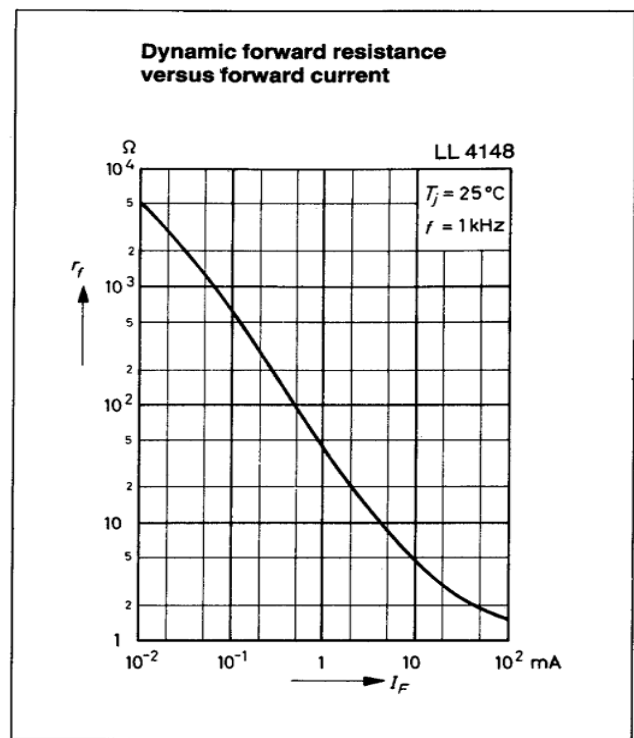
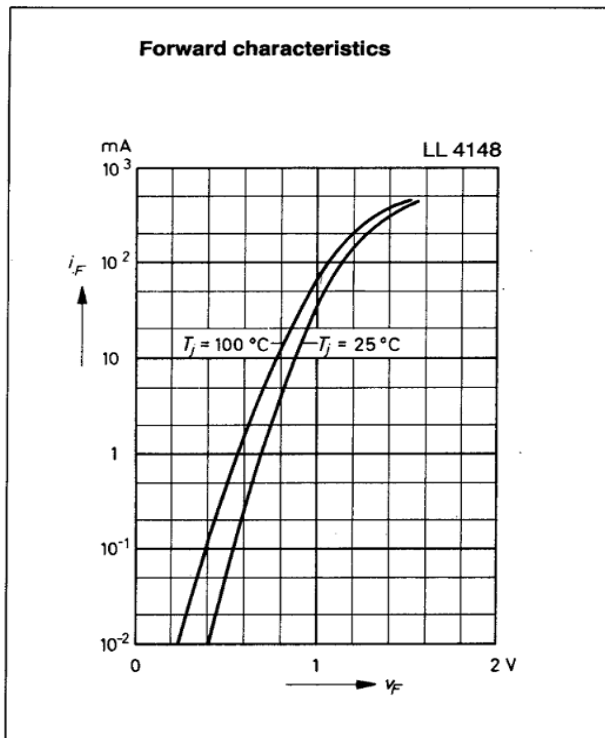
极限值和温度特性 Absolute Maximum Ratings & Thermal Characteristics (TA=25)

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 _{RM}	100		V
反向峰值电压 Peak repetitive Reverse Voltage	V _{RRM}	75		V
最大正向平均电流 Forward Continuous Current	I _{FM}	300	500	mA
平均整流输出电流 Average Rectified Output Current	I _O	150		mA
正向(不重复)浪涌电流 Non-repetitive Peak Forward Surge Current	I _{FM}	2		A
功率消耗 Power Dissipation	P _D	500		mW
工作结温和存储温度 Operating junction and storage Temperature Range	T _J , T _{STG}	-55 - +175		

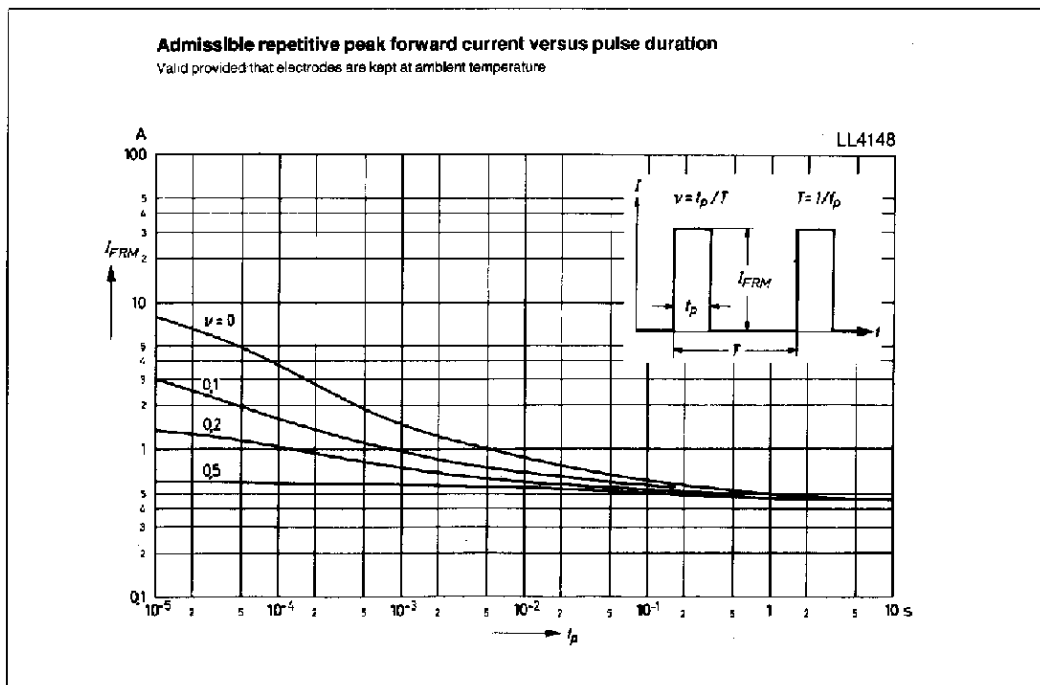
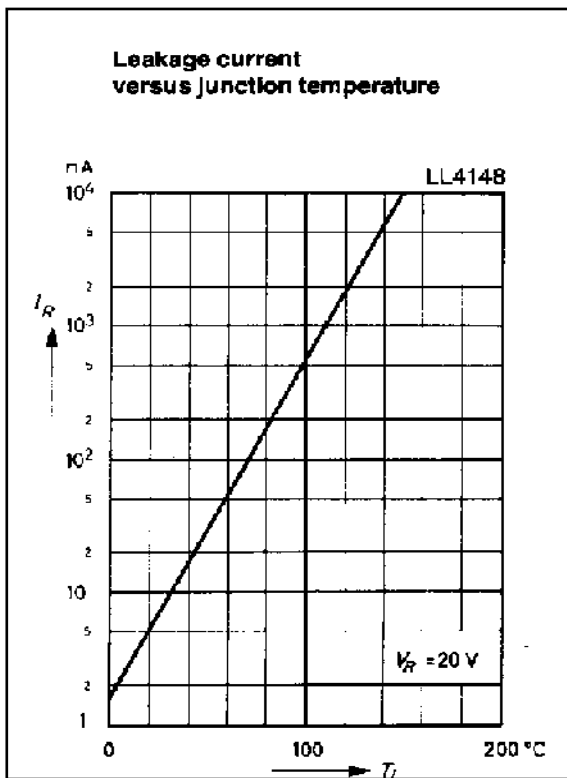
电特性 Electrical Characteristics (TA=25)

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

LL4148/LL4448

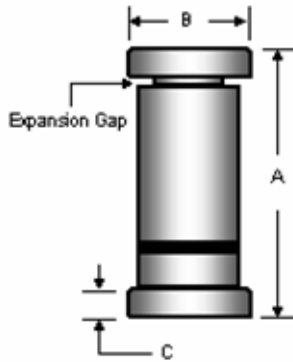


LL4148/LL4448



LL4148/LL4448
Package

LL-34



DIM	LL-34			
	Millimeters		Inches	
	Min	Max	Min	Max
A	3.302	3.505	0.130	0.138
B	1.39	1.54	0.054	0.060
C	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.