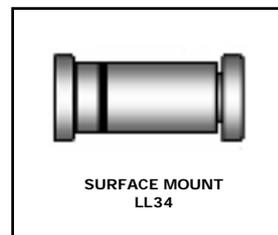


500 mW LL-34 Hermetically Sealed Glass Fast Switching Diodes

Features:

- Fast Switching Device (TRR<4.0nS)
- Hermetically Sealed Glass
- 1st Band indicates negative polarity or Cathode Band
- We declare that the material of product compliance with RoHS requirements.

LL4148/LL4448



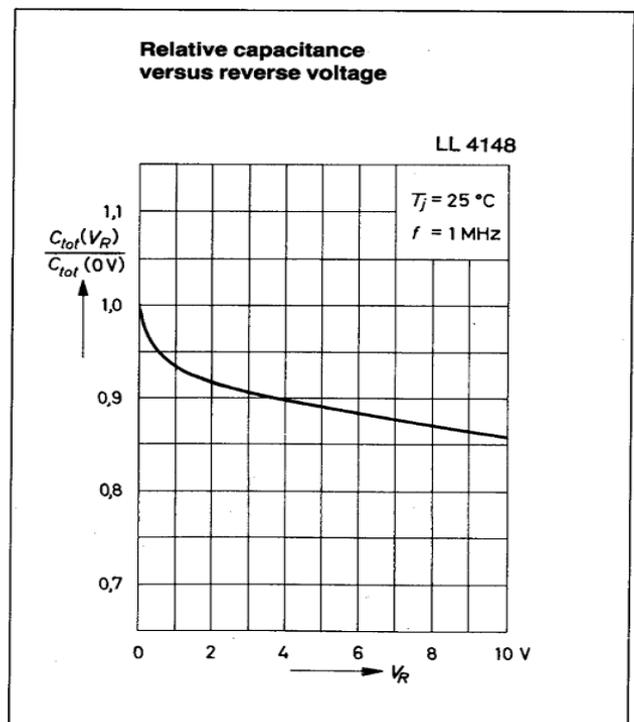
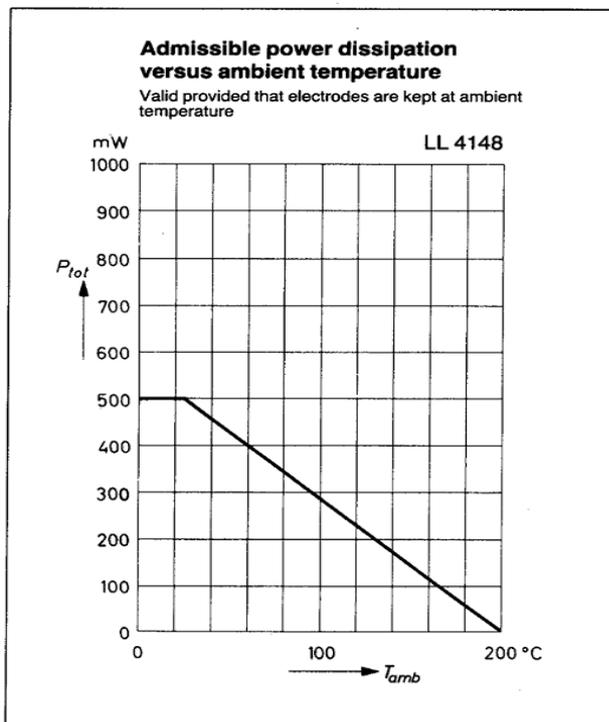
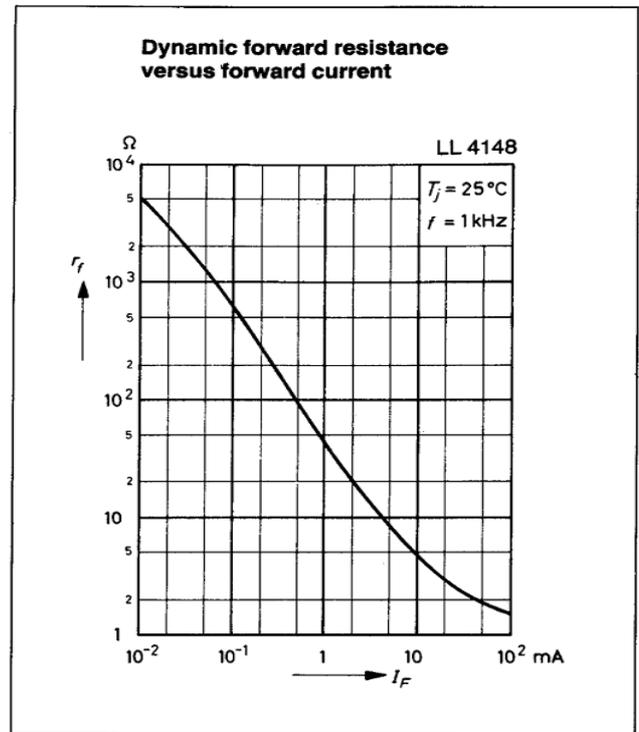
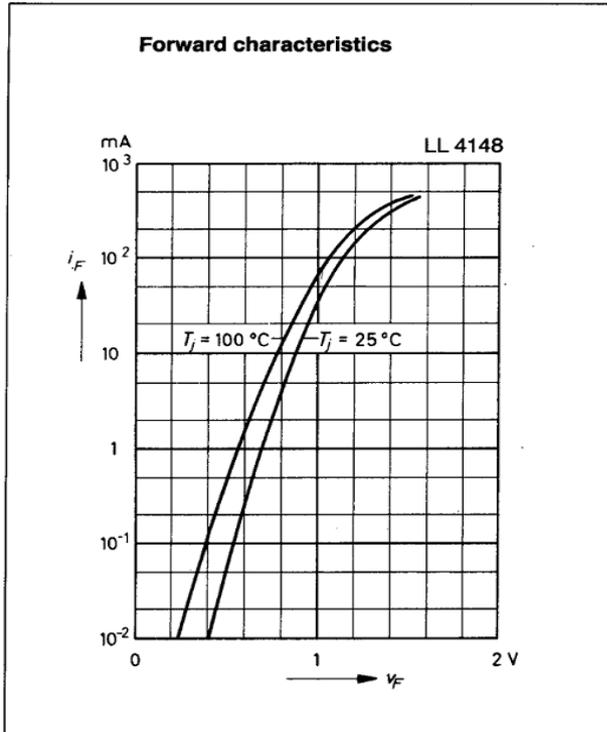
Absolute Maximum Ratings & Thermal Characteristics (TA=25)

Parameter	Symbols	LL4148	LL4448	Unit
Non-repetitive Peak Reverse Voltage	V _{RM}	100		V
Peak repetitive Reverse Voltage	V _{RRM}	75		V
Forward Continuous Current	I _{FM}	300	500	mA
Average Rectified Output Current	I _O	150		mA
Non-repetitive Peak Forward Surge Current	I _{FM}	2		A
Power Dissipation	P _D	500		mW
Operating junction and storage Temperature Range	T _J , T _{STG}	-55 - +175		

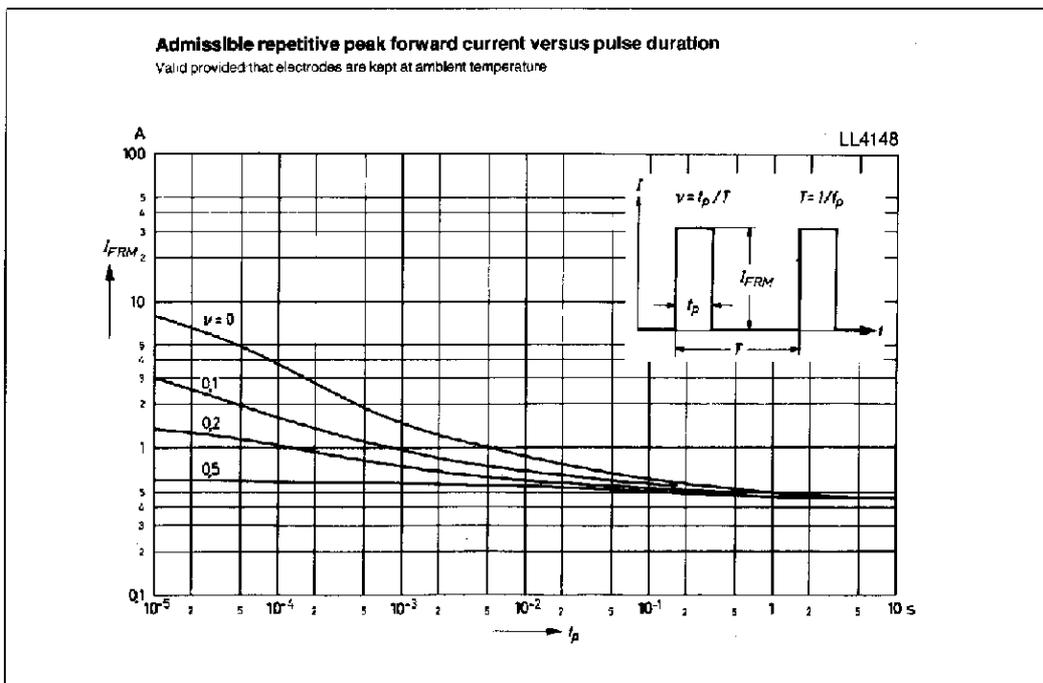
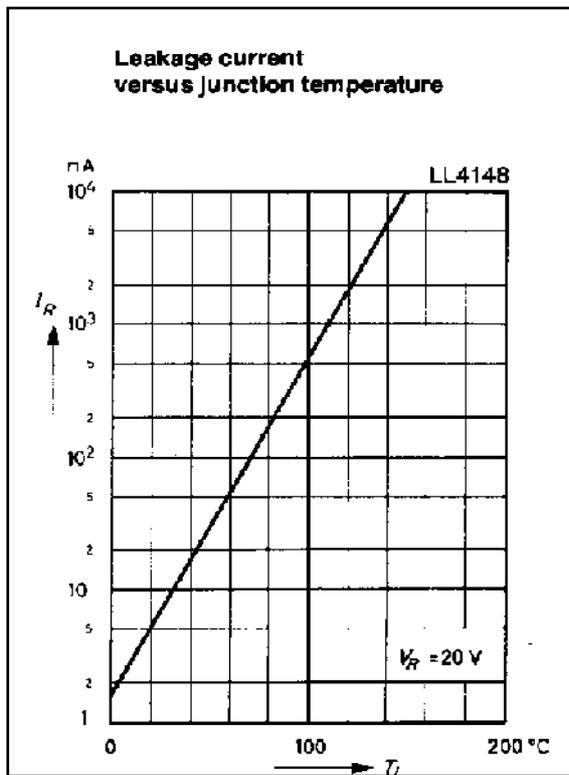
Electrical Characteristics (TA=25)

Symbols	Parameter	Test Condition	Limits		Unit
			Min	Max	
B _V	Breakdown Voltage	I _R =100uA	100		V
		I _R =5uA	75		
I _R	Reverse Leakage Current	V _R =20V	---	25	nA
		V _R =75	---	5	uA
V _F	Forward Voltage LL4448	I _F =5mA	0.62	0.72	V
	LL4148	I _F =10mA	---	1	
	LL4448	I _F =100mA	---	1	
T _{RR}	Reverse Recovery Time	I _F = 10mA, I _R =1.0mA R _L =100 I _{RR} =1mA	---	4	nS
C	Capacitance	V _R =0V, f=1MHZ	---	4	pF

LL4148/LL4448

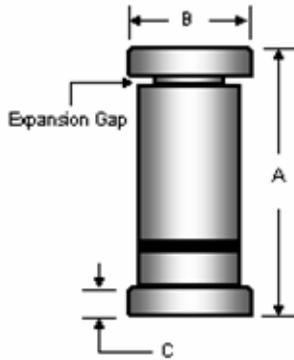


LL4148/LL4448



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.