

Absolute Maximum Ratings T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P _D	Power Dissipation	500	mW
T _{STG}	Storage Temperature Range	-65 to +150	°C
T _J	Operating Junction Temperature	+150	°C
W _{IV}	Working Inverse Voltage	75	V
I _O	Average Rectified Current	150	mA
I _{FM}	Non-repetitive Peak Forward Current	450	mA
I _{FSURGE}	Peak Forward Surge Current (Pulse Width = 1.0 μsecond)	2	A

These ratings are limiting values above which the serviceability of the diode may be impaired.



SURFACE MOUNT
LL34

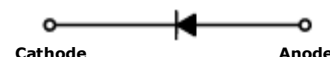
DEVICE MARKING DIAGRAM



Cathode Band Color : Black

Specification Features:

Fast Switching Device (T_{RR} < 4.0 nS)
 LL-34 (Mini-MELF) Package
 Surface Device Type Mounting
 Hermetically Sealed Glass
 Compression Bonded Construction
 All External Surfaces Are Corrosion Resistant And Terminals Are Readily Solderable
 RoHS Compliant
 Matte Tin (Sn) Terminal Finish
 Color band Indicates Negative Polarity



ELECTRICAL SYMBOL

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
B _V	Breakdown Voltage	I _R =100 μA I _R =5 μA	100 75		Volts
I _R	Reverse Leakage Current	V _R =20V V _R =75V		25 5	nA μA
V _F	Forward Voltage	I _F =10mA		1.0	Volts
T _{RR}	Reverse Recovery Time	I _F =10mA, V _R =6V R _L =100Ω I _{RR} =1mA		4	nS
C	Capacitance	V _R =0V, f=1MHz		4	pF

Typical Characteristics

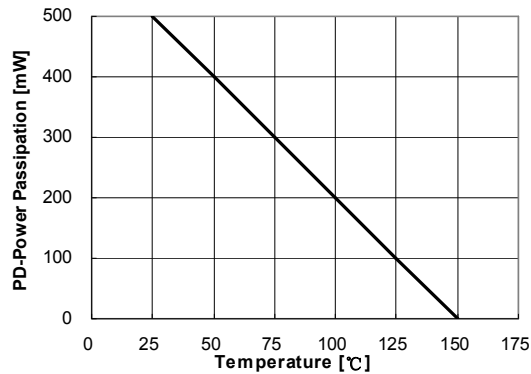


Figure 1. Power Dissipation vs Ambient Temperature
Valid provided leads at a distance of 0.8mm from case are kept at ambient temperature

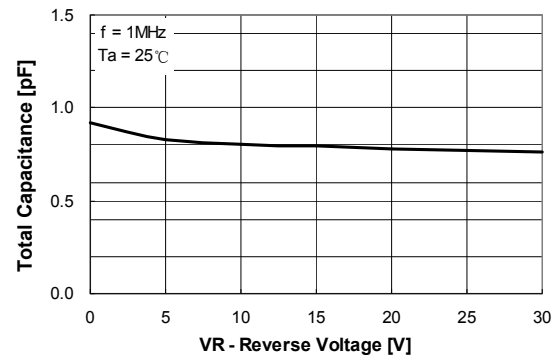


Figure 2. Total Capacitance

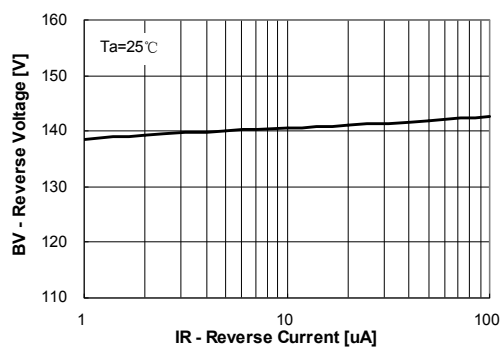


Figure 3. Reverse Voltage vs Reverse Current
BV – 1.0uA to 100uA

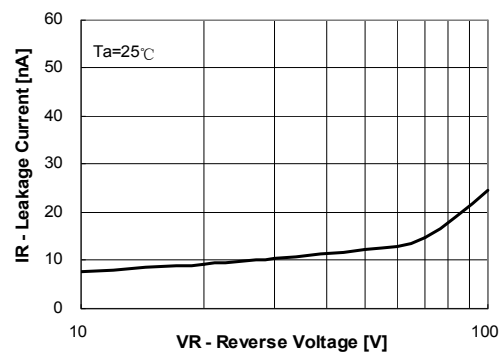


Figure 4. Reverse Current vs Reverse Voltage
IR – 10V to 100V

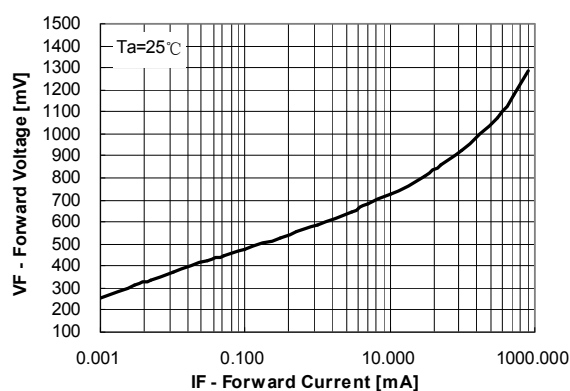


Figure 5. Forward Voltage vs Forward Current
VF – 0.001mA to 800mA

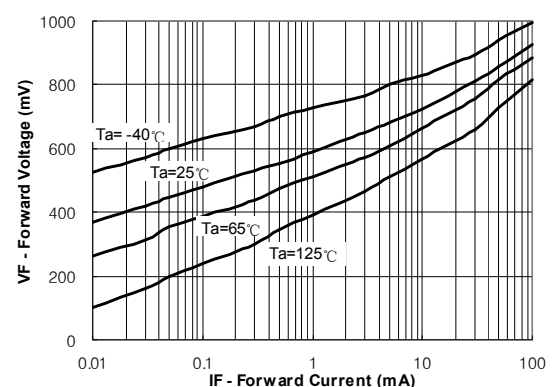
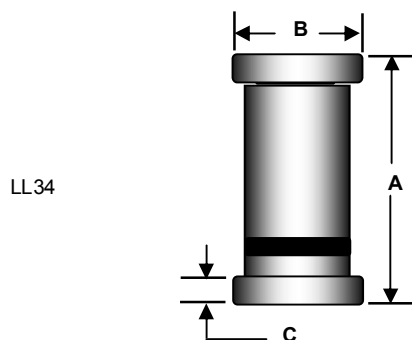


Figure 6. Forward Voltage vs Ambient Temperature
VF – 0.01mA to 100mA (-40 to +125 Deg C)

Package Outline

Package



Case Outline

DIM	LL-34			
	Millimeters		Inches	
	Min	Max	Min	Max
A	3.30	3.60	0.130	0.142
B	1.40	1.50	0.055	0.059
C	0.35	0.50	0.014	0.020

Notes:

1. All dimensions are within DO213AC JEDEC standard.
2. LL-34 polarity denoted by cathode band.

NOTICE

The information presented in this document is for reference only. Involving product optimization and productivity improvement, ChipNobo reserves the right to adjust product indicators and upgrade some technical parameters. ChipNobo is entitled to be exempted from liability for any delay or non-delivery of the information disclosure process that occurs.

本文件中提供的信息仅供参考。涉及产品优化和生产效率改善，ChipNobo 有权调整产品指标和部分技术参数的升级，所出现信息披露过程存在延后或者不能送达的情形，ChipNobo 有获免责权。

The product listed herein is designed to be used with residential and commercial equipment, and do not support sensitive items and specialized equipment in areas where sanctions do exist. ChipNobo Co., Ltd or anyone on its behalf, assumes no responsibility or liability for any damages resulting from improper use.

此处列出的产品旨在民用和商业设备上使用，不支持确有制裁地区的敏感项目和特殊设备，ChipNobo 有限公司或其代表，对因不当使用而造成的任何损害不承担任何责任。

For additional information, please visit our website <https://www.chipnobo.com/en> or consult your nearest Chipnobo sales office for further assistance.

欲了解更多信息，请访问我们的网站 <https://www.chipnobo.com/en>，或咨询离您最近的 Chipnobo 销售办事处以获得进一步帮助。