

**Schottky Barrier Diode** 

200 mW Surface Mount LL-34

## SEMICONDUCTOR

SURFACE MOUNT 1134

Absolute Maximum Ratings	T <sub>A</sub> = 25°C unless otherwise noted
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**Hermetically Sealed Glass Fast Switching** 

Symbol	Parameter	Value	Units	
PD	Power Dissipation	200	mW	
T <sub>STG</sub>	Storage Temperature Range	Range -65 to +125		
TJ	Operating Junction Temperature	+125	°C	
V <sub>RRM</sub>	Repetitive Peak Reverse Voltage	30	V	
V <sub>R</sub>	Maximum DC Blocking Voltage	30	V	
I <sub>F(AV)</sub>	Average Forward Rectified Current	200	mA	
I <sub>FSM</sub>	Peak Forward Surge Current	4	А	

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

### **Specification Features:**

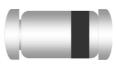
- Low Forward Voltage Drop
- LL-34 (Mini-MELF) Package (JEDEC)
- Surface Device Type Mounting
- Hermetically Sealed Glass
- **Compression Bonded Construction**
- All External Surfaces Are Corrosion Resistant And Terminals Are Readily Solderable
- **RoHS** Compliant
- . Matte Tin (Sn) Terminal Finish
- Color band Indicates Negative Polarity

### **Electrical Characteristics** T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Limits		1114
	Faranieler		Min	Мах	Unit
Bv	Breakdown Voltage	I <sub>R</sub> =100μΑ	30		Volts
I <sub>R</sub>	Reverse Leakage Current	V <sub>R</sub> =25V		500	nA
VF	Forward Voltage LLBAT42	I <sub>F</sub> =10mA		0.40	
		I <sub>F</sub> =50mA		0.65	
	LLBAT43	I <sub>F</sub> =2mA	0.26	0.33	Volts
		I <sub>F</sub> =15mA		0.45	
	LLBAT42, LLBAT43	I <sub>F</sub> =200mA		1.0	
T <sub>RR</sub>	Reverse Recovery Time	I <sub>F</sub> =I <sub>R</sub> =10mA	5 (Typical)		nS
		R <sub>L</sub> =100Ω			
		I <sub>RR</sub> =1mA			
С	Capacitance	V <sub>R</sub> =1V, f=1M <sub>HZ</sub>	7 (Typical)		pF



DEVICE MARKING DIAGRAM



Cathode Band Color : Black

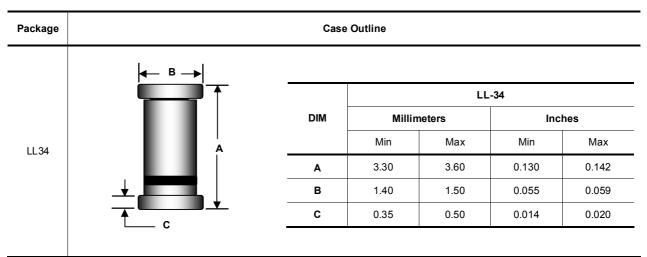


ELECTRICAL SYMBOL



### SEMICONDUCTOR

### **Package Outline**



Notes:

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

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# NOTICE

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