

Schottky Barrier Diode

200 mW Surface Mount LL-34

SEMICONDUCTOR

SURFACE MOUNT LL34

DEVICE MARKING DIAGRAM

Cathode Band Color : Black

Absolute Maximum Ratings T_A = 25°C unless otherwise noted

Hermetically Sealed Glass Fast Switching

Symbol	Parameter	Value	Units	
PD	Power Dissipation	200	mW	
T _{STG}	Storage Temperature Range	-65 to +125	°C	
TJ	Operating Junction Temperature	+125	°C	
V _{RRM}	Repetitive Peak Reverse Voltage	30	V	
V _R	Maximum DC Blocking Voltage	30	V	
I _{F(AV)}	Average Forward Rectified Current	200	mA	
I _{FSM}	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 $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Test Condition	Limits		Unit
Symbol	Farameter		Min	Max	Unit
Bv	Breakdown Voltage	I _R =100μΑ	30		Volts
I _R	Reverse Leakage Current	V _R =25V		500	nA
VF	Forward Voltage LLBAT42	I _F =10mA		0.40	
		I _F =50mA		0.65	
	LLBAT43	I _F =2mA	0.26	0.33	Volts
		I _F =15mA		0.45	
	LLBAT42, LLBAT43	I _F =200mA		1.0	
T _{RR}	Reverse Recovery Time	I _F =I _R =10mA			
		R _L =100Ω	5 (Typical)		nS
		I _{RR} =1mA			
С	Capacitance	V _R =1V, f=1M _{HZ}	7 (Typical)		pF





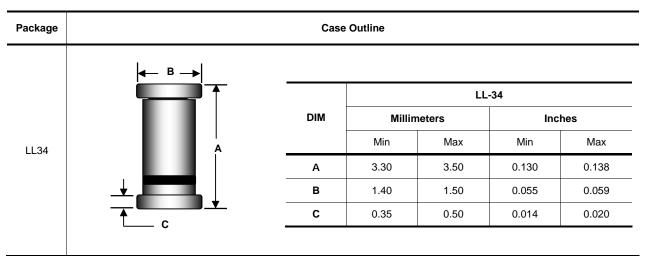






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Package Outline



Notes:

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

2.



NOTICE

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