

500 mW Surface Mount LL-34 Hermetically Sealed Glass Small Signal Schottky Diode



SURFACE MOUNT
LL34

Absolute Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Value		Units
		LL60	LL60P	
V_{RRM}	Peak Reverse Voltage	40	45	V
I_F	Forward Continuous Current	30	50	mA
I_{FSM}	Peak Forward Surge Current (t = 1S)	150	500	mA
T_{STG} / T_J	Storage and Junction Temperature Range	-65 to +125		$^\circ\text{C}$

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

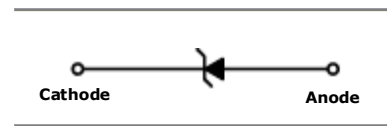
DEVICE MARKING DIAGRAM



Cathode Band Color : Black

Specification Features:

- 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

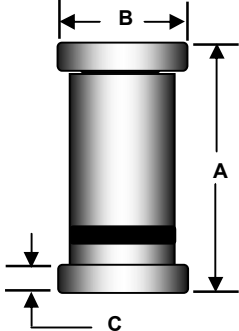


ELECTRICAL SYMBOL

Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Test Condition	Type	Limits			Unit
				Min	Typ	Max	
V_F	Forward Voltage	$I_F=1\text{mA}$	LL60		0.32	0.5	Volts
			LL60P		0.24	0.5	
		$I_F=30\text{mA}$	LL60		0.65	1.0	Volts
			LL60P		0.65	1.0	Volts
I_R	Reverse Leakage Current	$V_R=15\text{V}$	LL60		0.1	0.5	μA
			LL60P		0.5	1.0	
C_J	Junction Capacitance	$V_R=1\text{V}, f=1\text{MHz}$	LL60		2.0		pF
		$V_R=10\text{V}, f=1\text{MHz}$	LL60P		6.0		
T_{RR}	Reverse Recovery Time	$I_F=I_R=1\text{mA}, I_{rr}=1\text{mA}, R_c=100\Omega$	LL60 LL60P			1	nS

Package Outline

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LL34		<table border="1"> <thead> <tr> <th rowspan="3">DIM</th> <th colspan="4">LL-34</th> </tr> <tr> <th colspan="2">Millimeters</th> <th colspan="2">Inches</th> </tr> <tr> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>3.30</td> <td>3.60</td> <td>0.130</td> <td>0.142</td> </tr> <tr> <td>B</td> <td>1.40</td> <td>1.50</td> <td>0.055</td> <td>0.059</td> </tr> <tr> <td>C</td> <td>0.35</td> <td>0.50</td> <td>0.014</td> <td>0.020</td> </tr> </tbody> </table>				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
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Notes:

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

NOTICE

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