

## 200 mW LL-34 Hermetically Sealed Glass Fast Switching Schottky Barrier Diode



### Absolute Maximum Ratings T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P <sub>D</sub>	Power Dissipation	200	mW
T <sub>STG</sub>	Storage Temperature Range	-65 to +125	°C
T <sub>J</sub>	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	A

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

### Specification Features:

- Low Forward Voltage Drop
- LL-34 Package (JEDEC)
- Through-Hole Device Type Mounting
- Hermetically Sealed Glass
- Compression Bonded Construction
- All External Surfaces Are Corrosion Resistant And Leads Are Readily Solderable
- RoHS Compliant
- Solder Hot Dip Tin (Sn) Lead Finish

DEVICE MARKING DIAGRAM



Cathode Band Color: Black

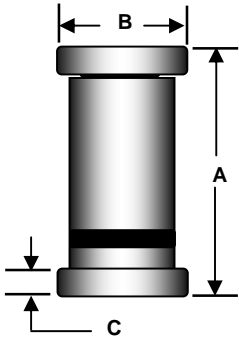


ELECTRICAL SYMBOL

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

Symbol	Parameter	Test Condition	Limits			Unit
			Min	Typ	Max	
B <sub>V</sub>	Breakdown Voltage	I <sub>R</sub> =10μA	30			Volts
I <sub>R</sub>	Reverse Leakage Current	V <sub>R</sub> =25V			2	uA
V <sub>F</sub>	Forward Voltage	I <sub>F</sub> =0.1mA I <sub>F</sub> =1mA I <sub>F</sub> =10mA I <sub>F</sub> =30mA I <sub>F</sub> =100mA			0.24 0.32 0.40 0.50 0.80	Volts
T <sub>RR</sub>	Reverse Recovery Time	I <sub>F</sub> =I <sub>R</sub> =10mA R <sub>L</sub> =100Ω I <sub>RR</sub> =1mA		5		nS
C	Capacitance	V <sub>R</sub> =1V, f=1MHz		7	10	pF

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>3.302</td> <td>3.505</td> <td>0.130</td> <td>0.138</td> </tr> <tr> <td>B</td> <td>1.397</td> <td>1.499</td> <td>0.055</td> <td>0.059</td> </tr> <tr> <td>C</td> <td>0.350</td> <td>0.500</td> <td>0.014</td> <td>0.020</td> </tr> </tbody> </table>				DIM	LL-34				Millimeters		Inches		Min	Max	Min	Max	A	3.302	3.505	0.130	0.138	B	1.397	1.499	0.055	0.059	C	0.350	0.500	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.

This datasheet presents technical data of Tak Cheong's Schottky Diode. Complete specifications for the individual devices are provided in the form of datasheets. A comprehensive Selector Guide is included to simplify the task of choosing the best set of components required for a specific application. For additional information, please visit our website <http://www.takcheong.com>.

Although information in this datasheet has been carefully checked, no responsibility for the inaccuracies can be assumed by Tak Cheong. Please consult your nearest Tak Cheong's sales office for further assistance.

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