

**CLLRH SERIES**  
**SURFACE MOUNT**  
**SILICON GENERAL PURPOSE**  
**RECTIFIER**  
**0.5 AMP, 200 THRU 600 VOLTS**



[www.centrasemi.com](http://www.centrasemi.com)



**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CLLRH Series 0.5 amp leadless glass silicon rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer and automotive applications where space is critical.

**FEATURES:**

- High Current Density
- High Reliability
- Special Selections Available
- Robust Glass Construction
- Superior Lot to Lot Consistency

**MARKING: CATHODE BAND**

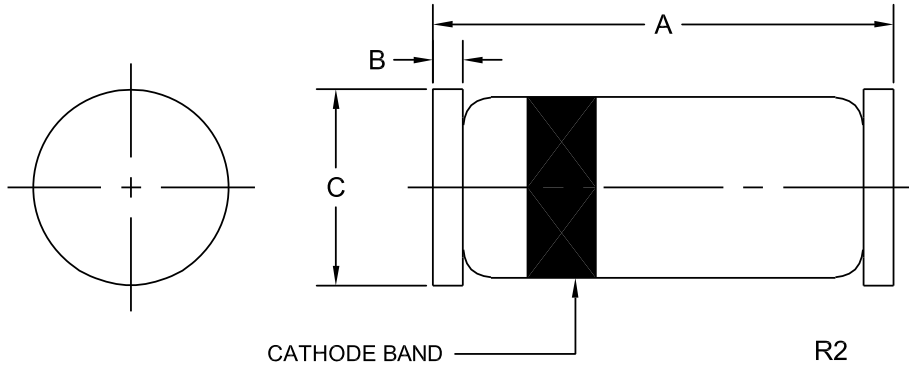
<b>MAXIMUM RATINGS:</b> ( $T_A=25^\circ\text{C}$ unless otherwise noted)	<b>SYMBOL</b>	<b>CLLRH</b>	<b>CLLRH</b>	<b>CLLRH</b>	<b>UNITS</b>
		<b>-02</b>	<b>-04</b>	<b>-06</b>	
Peak Repetitive Reverse Voltage	$V_{RRM}$	200	400	600	V
DC Blocking Voltage	$V_R$	200	400	600	V
RMS Reverse Voltage	$V_{R(RMS)}$	140	280	420	V
Average Forward Current ( $T_L=80^\circ\text{C}$ )	$I_O$		0.5		A
Peak Forward Surge Current (Non-Repetitive, 8.3ms surge)	$I_{FSM}$		10		A
Operating and Storage Junction Temperature	$T_J, T_{stg}$		-65 to +175		$^\circ\text{C}$

<b>ELECTRICAL CHARACTERISTICS:</b> ( $T_A=25^\circ\text{C}$ unless otherwise noted)		<b>MIN</b>	<b>MAX</b>	<b>UNITS</b>
<b>SYMBOL</b>	<b>TEST CONDITIONS</b>			
$I_R$	$V_R=\text{Rated } V_{RRM}$		200	nA
$I_R$	$V_R=\text{Rated } V_{RRM}, T_A=150^\circ\text{C}$		25	$\mu\text{A}$
$V_F$	$I_F=500\text{mA}$		1.1	V
$C_J$	$V_R=4.0\text{V}, f=1.0\text{MHz}$		10	pF

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SOD-80 CASE - MECHANICAL OUTLINE



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SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.130	0.146	3.30	3.71
B	0.014		0.35	
C (DIA)	0.049	0.067	1.25	1.70

SOD-80 (REV:R2)

R4 (8-January 2010)