



## CLLRH SERIES

**GENERAL PURPOSE RECTIFIER  
0.5 AMP, 200 THRU 600 VOLTS**

**SUPER<sup>TM</sup>  
mini**



**SOD-80 CASE**

### FEATURES:

- SUPER MINI RECTIFIER IN A DIODE CASE
- HIGH CURRENT DENSITY
- HIGH RELIABILITY
- SPECIAL SELECTIONS AVAILABLE
- ROBUST GLASS CONSTRUCTION
- SUPERIOR LOT TO LOT CONSISTENCY

### DESCRIPTION:

The CENTRAL SEMICONDUCTOR 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.

### MAXIMUM RATINGS: (T<sub>A</sub>=25°C unless otherwise noted)

	SYMBOL	CLLRH -02	CLLRH -04	CLLRH -06	UNITS
Peak Repetitive Reverse Voltage	V <sub>R</sub> RM	200	400	600	V
DC Blocking Voltage	V <sub>R</sub>	200	400	600	V
RMS Reverse Voltage	V <sub>R</sub> (RMS)	140	280	420	V
Average Forward Current (T <sub>L</sub> =80°C)	I <sub>O</sub>		0.5		A
Peak Forward Surge Current (Non-Repetitive, 8.3ms surge)	I <sub>FSM</sub>		10		A
Operating and Storage Junction Temperature	T <sub>J</sub> , T <sub>stg</sub>		-65 to +175		°C

### ELECTRICAL CHARACTERISTICS: (T<sub>A</sub>=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
V <sub>F</sub>	I <sub>F</sub> =Rated I <sub>O</sub>		1.1	V
I <sub>R</sub>	V <sub>R</sub> =Rated V <sub>R</sub> RM		200	nA
I <sub>R</sub>	V <sub>R</sub> =Rated V <sub>R</sub> RM, T <sub>A</sub> =150°C		25	μA
C <sub>J</sub>	V <sub>R</sub> =4.0V, f=1.0MHz		10	pF

All dimensions in inches (mm).

