



CLLRH SERIES

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

**SUPERTM
mini**



SOD-80 CASE

**CentralTM
Semiconductor Corp.**

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: ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

| | | CLLRH -02 | CLLRH -04 | CLLRH -06 | UNITS |
|---|-------------------|--------------|--------------|--------------|--------------------|
| Peak Repetitive Reverse Voltage | V_{RRM} | 200 | 400 | 600 | V |
| DC Blocking Voltage | V_R | 200 | 400 | 600 | V |
| RMS Reverse Voltage | $V_R(\text{RMS})$ | 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 | | $^{\circ}\text{C}$ |

ELECTRICAL CHARACTERISTICS: ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

| SYMBOL | TEST CONDITIONS | MIN | MAX | UNITS |
|--------|--|-----|-----|---------------|
| V_F | $I_F=\text{Rated } I_O$ | | 1.1 | V |
| 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 | μA |
| C_J | $V_R=4.0\text{V}, f=1.0\text{MHz}$ | | 10 | pF |

All dimensions in inches (mm).

