



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 <u>-02</u>	CLLRH <u>-04</u>	CLLRH <u>-06</u>	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).

