

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CLLR1 SERIES

SURFACE MOUNT
GENERAL PURPOSE RECTIFIER
1.0 AMP, 200 THRU 1,000 VOLTS

MELF CASE

FEATURES:

- LOW COST
- HIGH RELIABILITY
- GLASS PASSIVATED INTERNAL CONSTRUCTION
- SPECIAL SELECTIONS AVAILABLE
- SUPERIOR LOT TO LOT CONSISTENCY

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 1.0 amp leadless epoxy 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. Higher voltage devices, special selections, fast recovery, ultra fast recovery, and Schottky devices are also available. To order devices on tape and reel (1,500/7" reel) add TR suffix to part number. For 5K/13" reel add TR13 suffix.

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

	SYMBOL	CLLR1 -02	CLLR1 -04	CLLR1 -06	CLLR1 -10	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	200	400	600	1000	V
DC Blocking Voltage	V_R	200	400	600	1000	V
RMS Reverse Voltage	$V_{R(RMS)}$	140	280	420	700	V
Average Forward Current ($T_L = 80^\circ\text{C}$)	I_O			1.0		A
Peak Forward Surge Current (8.3ms)	I_{FSM}			30		A
Operating and Storage Junction Temperature	T_J, T_{stg}		-65 to +175			$^\circ\text{C}$

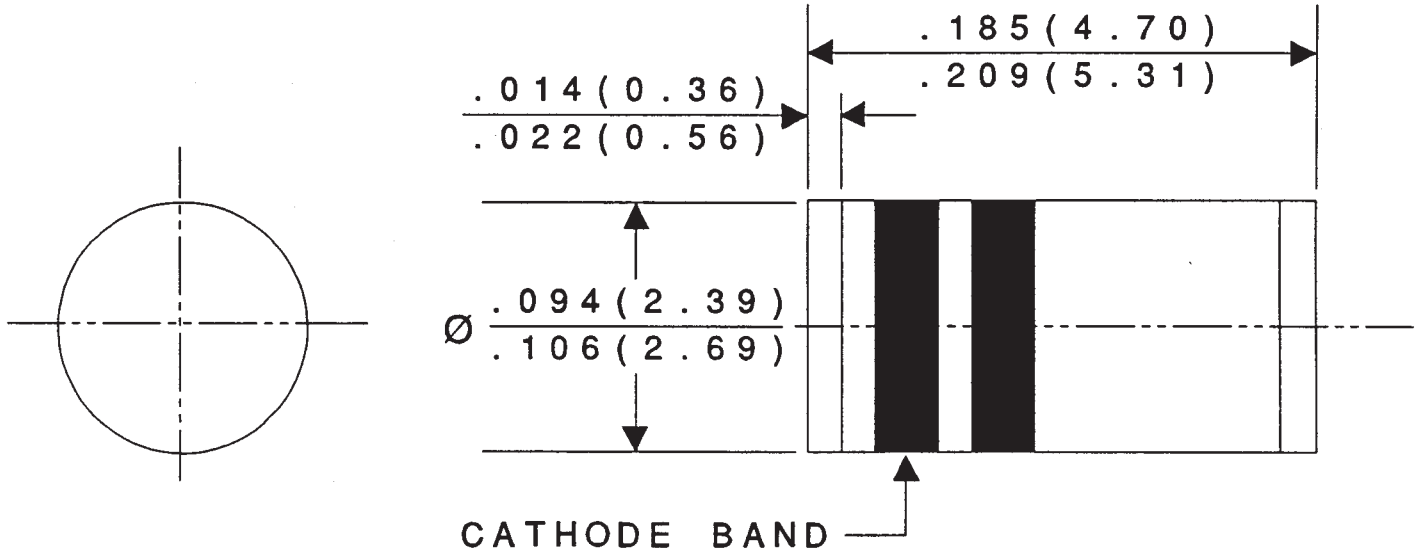
ELECTRICAL CHARACTERISTICS: ($T_A = 25^\circ\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
V_F	$I_F = \text{Rated } I_O$		1.1	V
I_R	$V_R = \text{Rated } V_{RRM}$		10	μA
I_R	$V_R = \text{Rated } V_{RRM}, T_A = 125^\circ\text{C}$		50	μA

(SEE REVERSE SIDE)

MELF CASE - MECHANICAL OUTLINE

All Dimensions in Inches (mm)



COLOR CODES:

CENTRAL TYPE NO.	BAND 1*	BAND 2
CLLR1-02	WHITE	ORANGE
CLLR1-04	WHITE	YELLOW
CLLR1-06	WHITE	GREEN
CLLR1-10	WHITE	VIOLET

* CATHODE BAND