

Central Semiconductor Corp.

CLLR1 SERIES

T-01-13

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

FEATURES:

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



MELF CASE

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.

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

		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

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CENTRAL TYPE NO.	BAND 1*	BAND 2
CLLR1-01	WHITE	RED
CLLR1-02	WHITE	ORANGE
CLLR1-04	WHITE	YELLOW
CLLR1-06	WHITE	GREEN
CLLR1-10	WHITE	VIOLET

* Cathode Band

All dimensions in mm.

