



CSHD3-100

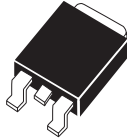
**SCHOTTKY RECTIFIER
SINGLE, 3.0 AMPS, 100 VOLTS
HIGH VOLTAGE**

**Central™
Semiconductor Corp.**

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CSHD3-100 is a Silicon Schottky Rectifier designed for surface mount high voltage applications requiring a low forward voltage drop.

DPAK POWER!



DPAK CASE

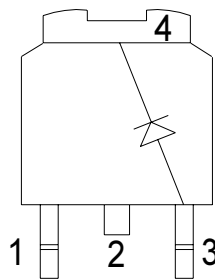
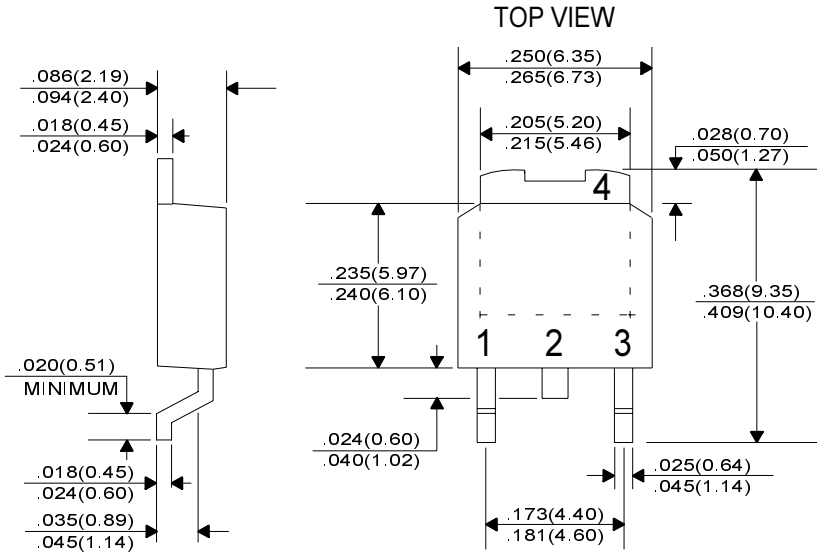
MAXIMUM RATINGS: ($T_C=25^\circ\text{C}$ unless otherwise noted)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	100	V
Average Rectified Forward Current ($T_C=120^\circ\text{C}$)	I_O	3.0	A
Peak Forward Surge Current ($t_p=10\text{ms}$)	I_{FSM}	50	A
Peak Repetitive Reverse Surge Current ($t_p=2\mu\text{s}$)	I_{RRM}	1.0	A
Critical Rate of Rise of Reverse Voltage	dv/dt	10,000	$V/\mu\text{s}$
Operating and Storage			
Junction Temperature	T_J, T_{stg}	-65 to +150	$^\circ\text{C}$
Thermal Resistance	θ_{JC}	3.5	$^\circ\text{C}/\text{W}$

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I_R	$V_R=100\text{V}$		30	mA
I_R	$V_R=100\text{V}, T_C=125^\circ\text{C}$		10	mA
V_F	$I_F=3.0\text{A}$		0.85	V
V_F	$I_F=3.0\text{A}, T_C=125^\circ\text{C}$		0.80	V

All Dimensions in inches (mm).



Lead Code:

- 1) No Connection
- 2) Cathode
- 3) Anode
- 4) Cathode

Pin 2 is common to the tab (4).