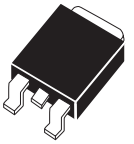
NEW

CSHD3-100

SCHOTTKY RECTIFIER
SINGLE, 3.0 AMPS, 100 VOLTS
HIGH VOLTAGE

Central™
Semiconductor Corp.

DPAK POWER!



DPAK CASE

DESCRIPTION:

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

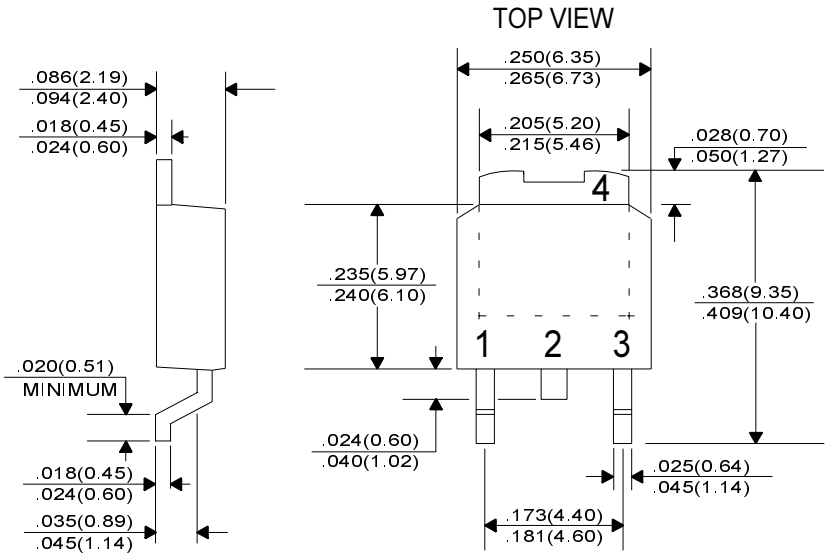
MAXIMUM RATINGS: (T_C=25°C unless otherwise noted)

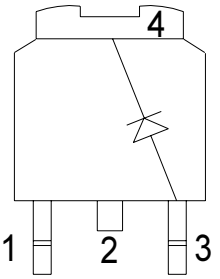
	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	100	V
Average Rectified Forward Current (T_C=120°C)	I_O	3.0	A
Peak Forward Surge Current (tp=10ms)	I_{FSM}	50	A
Peak Repetitive Reverse Surge Current (tp=2μs)	I_{RRM}	1.0	A
Critical Rate of Rise of Reverse Voltage	dv/dt	10,000	V/μs
Operating and Storage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

ELECTRICAL CHARACTERISTICS: (T_C=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I_R	V_R=100V		30	mA
I_R	V_R=100V, T_C=125°C		10	mA
V_F	I_F=3.0A		0.85	V
V_F	I_F=3.0A, T_C=125°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).

R1