



CSHD6-60C

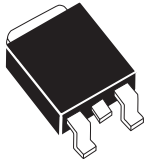
**SCHOTTKY RECTIFIER
DUAL, COMMON CATHODE
6.0 AMPS, 60 VOLTS**

CentralTM
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CSHD6-60C is a Silicon Schottky Rectifier designed for surface mount fast switching applications requiring a low forward voltage drop.

DPAK
POWER!



DPAK CASE

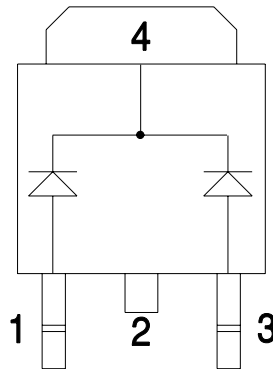
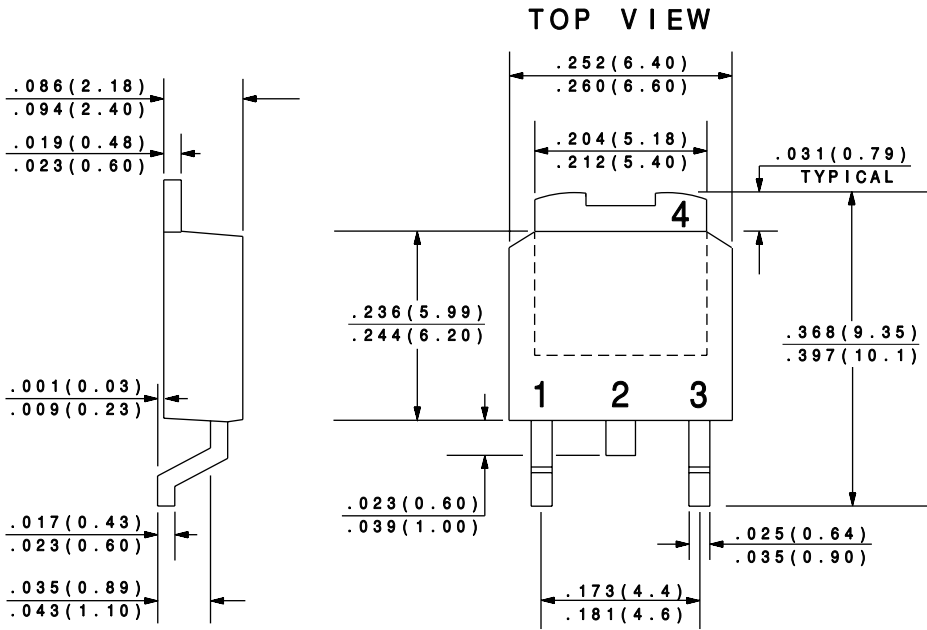
MAXIMUM RATINGS: ($T_C=25^\circ\text{C}$ unless otherwise noted)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	60	V
Average Rectified Forward Current ($T_C=120^\circ\text{C}$)	I_O	3.0	A
RMS Forward Current	$I_F(\text{RMS})$	6.0	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	1000	V/ μs
Operating and Storage			
Junction Temperature	T_J, T_{stg}	-65 to +150	$^\circ\text{C}$
Thermal Resistance, Per Diode	θ_{JC}	3.5	$^\circ\text{C}/\text{W}$

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I_R	$V_R=60\text{V}$		30	μA
I_R	$V_R=60\text{V}, T_C=125^\circ\text{C}$		10	mA
V_F	$I_F=3.0\text{A}$		0.65	V
V_F	$I_F=3.0\text{A}, T_C=125^\circ\text{C}$		0.59	V

All dimensions in inches (mm).



LEAD CODE:

- 1) ANODE #1
- 2) CATHODE
- 3) ANODE #2
- 4) CATHODE

PIN 2 IS COMMON TO THE TAB (4).