



**CSHD6-60C**

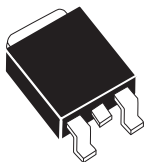
**SCHOTTKY RECTIFIER  
DUAL, COMMON CATHODE  
6.0 AMPS, 60 VOLTS**

**Central**<sup>TM</sup>  
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**

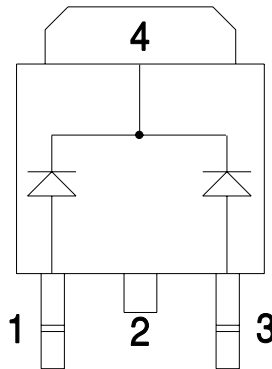
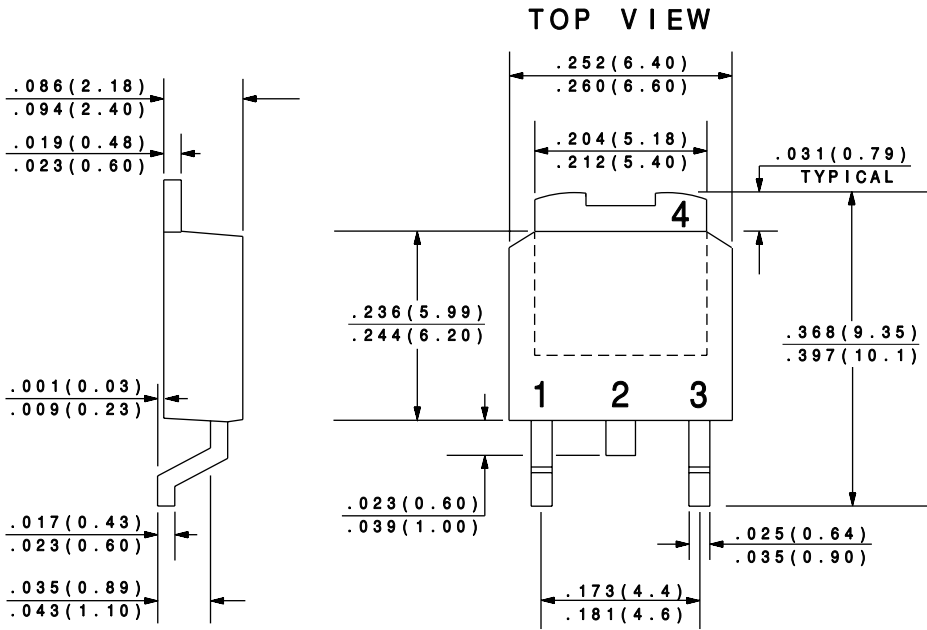
**MAXIMUM RATINGS:** ( $T_C=25^\circ\text{C}$  unless otherwise noted)

	<b>SYMBOL</b>		<b>UNITS</b>
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/ $\mu\text{s}$
Operating and Storage			
Junction Temperature	$T_J, T_{stg}$	-65 to +150	$^\circ\text{C}$
Thermal Resistance, Per Diode	$\theta_{JC}$	3.5	$^\circ\text{C}/\text{W}$

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

<b>SYMBOL</b>	<b>TEST CONDITIONS</b>	<b>MIN</b>	<b>MAX</b>	<b>UNIT</b>
$I_R$	$V_R=60\text{V}$		30	$\mu\text{A}$
$I_R$	$V_R=60\text{V}, T_C=125^\circ\text{C}$		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).