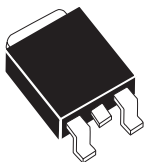




**CSHD3-40**

**SCHOTTKY RECTIFIER  
SINGLE, 3.0 AMPS, 40 VOLTS**

**DPAK POWER!**



**DPAK CASE**

**Central**<sup>TM</sup>  
Semiconductor Corp.

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CSHD3-40, Silicon Schottky Rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer and automotive applications.

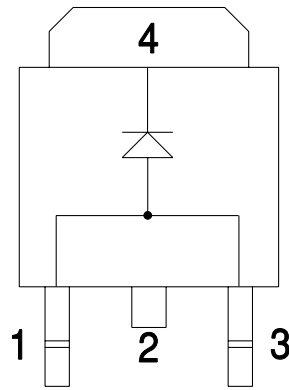
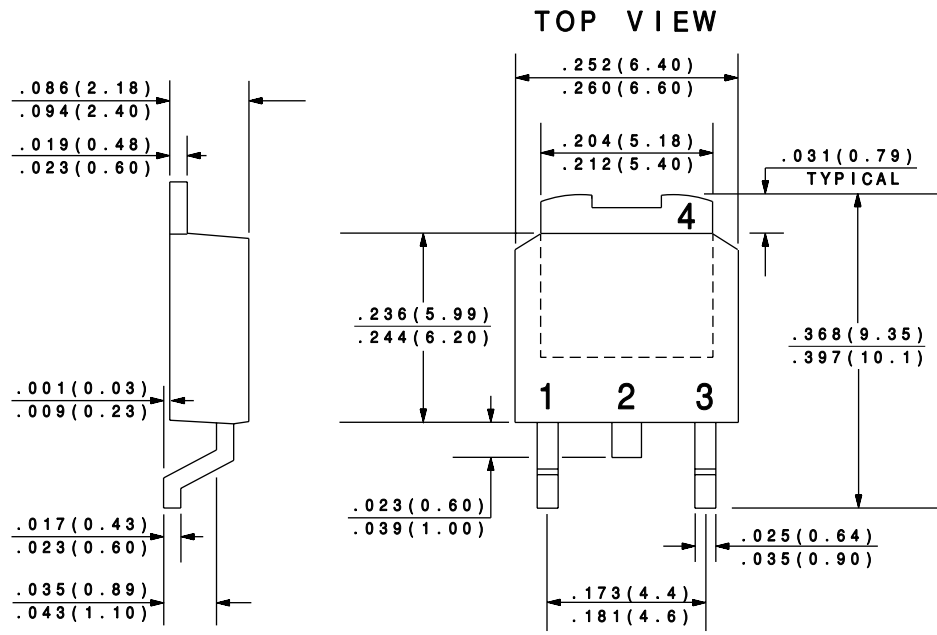
**MAXIMUM RATINGS:** ( $T_C=25^{\circ}C$  unless otherwise noted)

	SYMBOL		UNITS
Peak Working Reverse Voltage	$V_{RWM}$	40	V
DC Blocking Voltage	$V_R$	40	V
Average Rectified Forward Current ( $T_C=125^{\circ}C$ )	$I_O$	3.0	A
Peak Repetitive Forward Current ( $T_C=125^{\circ}C$ )	$I_{FRM}$	6.0	A
Peak Forward Surge Current	$I_{FSM}$	75	A
Peak Repetitive Reverse Surge Current ( $t_p=2 \mu s$ )	$I_{RRM}$	1.0	A
Operating and Storage			
Junction Temperature	$T_J, T_{stg}$	-65 to +150	$^{\circ}C$
Thermal Resistance	$\theta_{JC}$	6.0	$^{\circ}C/W$

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
$I_R$	$V_R=40V$		200	$\mu A$
$I_R$	$V_R=40V, T_C=125^{\circ}C$		20	mA
$V_F$	$I_F=3.0A$		0.60	V
$V_F$	$I_F=3.0A, T_C=125^{\circ}C$		0.45	V
$V_F$	$I_F=6.0A$		0.70	V
$V_F$	$I_F=6.0A, T_C=125^{\circ}C$		0.625	V

All dimensions in inches (mm).



LEAD CODE:

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

PIN 2 IS COMMON TO THE TAB (4).

R1