



CSHD3-40

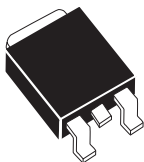
**SCHOTTKY RECTIFIER
SINGLE, 3.0 AMPS, 40 VOLTS**

CentralTM
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.

DPAK
POWER!



DPAK CASE

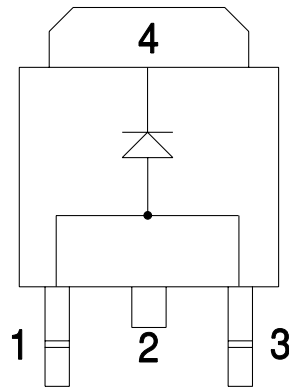
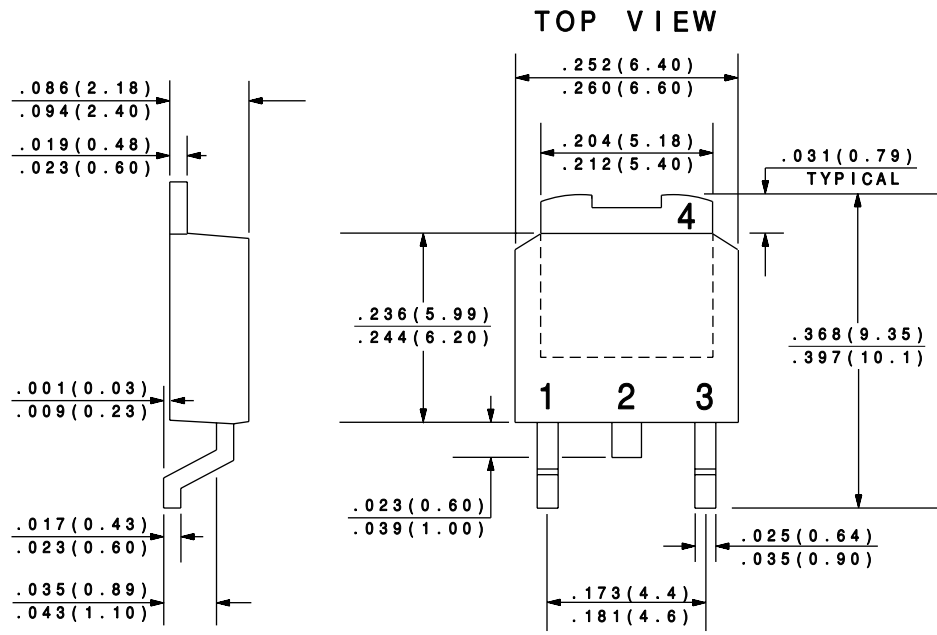
MAXIMUM RATINGS: ($T_C=25^{\circ}C$ unless otherwise noted)

	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	θ_{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	μA
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).