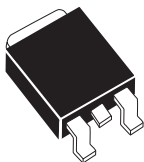


**CSHD3-40****SCHOTTKY RECTIFIER
SINGLE, 3.0 AMPS, 40 VOLTS****DPAK POWER!****DPAK CASE****Central**TM
Semiconductor Corp.**DESCRIPTION:**

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.

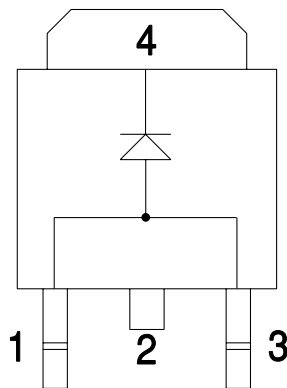
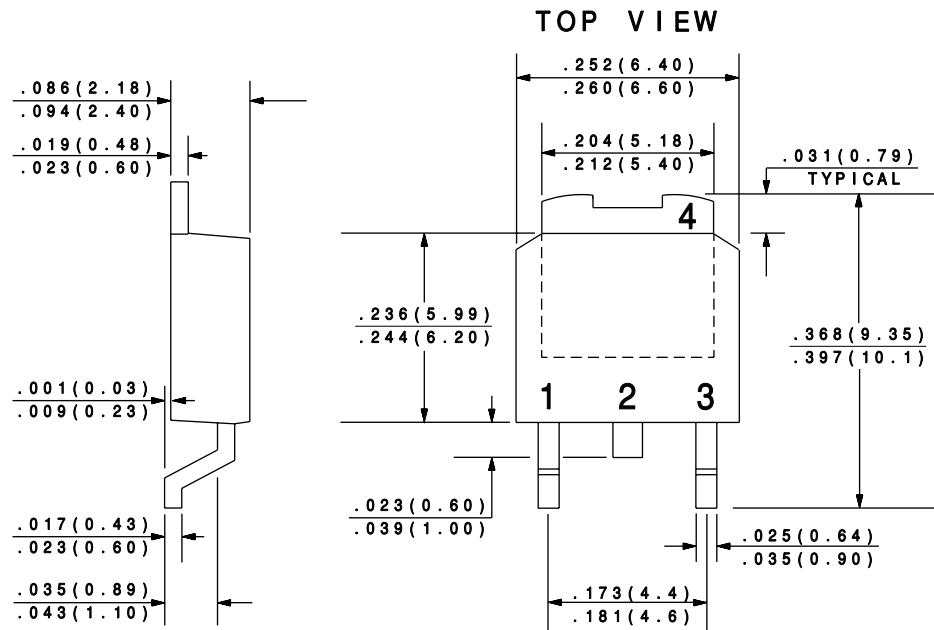
MAXIMUM RATINGS: ($T_C=25^{\circ}\text{C}$ unless otherwise noted)

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

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

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