



CSHD5-25L

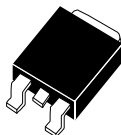
SCHOTTKY RECTIFIER
SINGLE, 5.0 AMPS, 25 VOLTS
LOW FORWARD VOLTAGE DROP

CentralTM
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CSHD5-25L is a Silicon Power Schottky Rectifier designed for surface mount power applications requiring a low forward voltage drop.

LOW
V_F



DPAK CASE

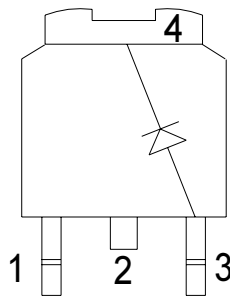
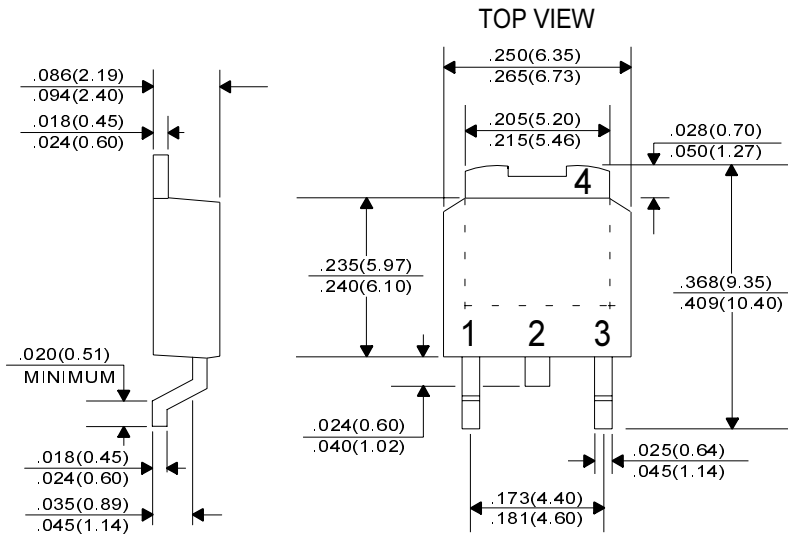
MAXIMUM RATINGS: ($T_C=25^\circ\text{C}$ unless otherwise noted)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	25	V
Average Rectified Forward Current ($T_C=120^\circ\text{C}$)	I_O	5.0	A
Peak Forward Surge Current ($t_p=10\text{ms}$)	I_{FSM}	80	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	10,000	V/ μs
Operating and Storage			
Junction Temperature	T_J, T_{stg}	-65 to +150	$^\circ\text{C}$
Thermal Resistance	θ_{JC}	2.5	$^\circ\text{C/W}$

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
I_R	$V_R=25\text{V}$			500	μA
I_R	$V_R=25\text{V}, T_C=125^\circ\text{C}$			200	mA
V_F	$I_F=5.0\text{A}$			0.47	V
V_F	$I_F=5.0\text{A}, T_C=125^\circ\text{C}$			0.35	V

All Dimensions in Inches (mm).



Lead Code:

- 1) No Connection
- 2) Cathode
- 3) Anode
- 4) Cathode

Pin 2 is common to the tab (4).