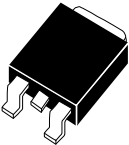


**NEW** CSHD10-45L

**POWER SCHOTTKY RECTIFIER  
10 AMPS, 45 VOLTS**

**DPAK POWER!**



**DPAK CASE**

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CSHD10-45L is a Silicon Power Schottky Rectifier designed for surface mount power applications requiring a low forward voltage drop.

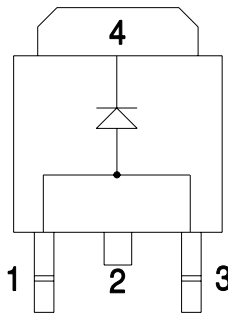
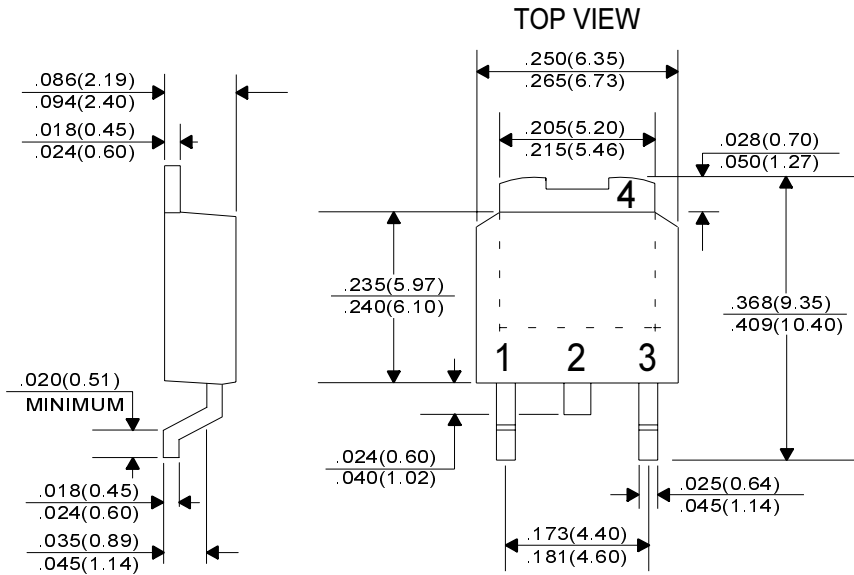
**MAXIMUM RATINGS:** ( $T_C=25^{\circ}\text{C}$  unless otherwise noted)

	<b>SYMBOL</b>		<b>UNITS</b>
Peak Repetitive Reverse Voltage	VRRM	45	V
Average Rectified Forward Current ( $T_C=120^{\circ}\text{C}$ )	IO	10	A
Peak Forward Surge Current ( $t_p=10\text{ms}$ )	IFSM	200	A
Peak Repetitive Reverse Surge Current ( $t_p=2\mu\text{s}$ )	IRRM	1.0	A
Critical Rate of Rise of Reverse Voltage	dV/dt	10,000	V/ $\mu\text{s}$
Operating and Storage			
Junction Temperature	TJ, Tstg	-65 to +150	$^{\circ}\text{C}$
Thermal Resistance	$\Theta_{\text{JC}}$	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>TYP</b>	<b>MAX</b>	<b>UNIT</b>
IR	$V_R=45\text{V}$		40	100	$\mu\text{A}$
IR	$V_R=45\text{V}, T_C=125^{\circ}\text{C}$			15	mA
V <sub>F</sub>	$I_F=10\text{A}$		0.575	0.75	V
V <sub>F</sub>	$I_F=10\text{A}, T_C=125^{\circ}\text{C}$			0.55	V

All Dimensions in Inches (mm).



LEAD CODE:

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

PIN 2 IS COMMON TO THE TAB (4).