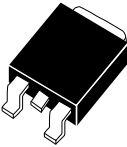




CSHD10-45L

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.

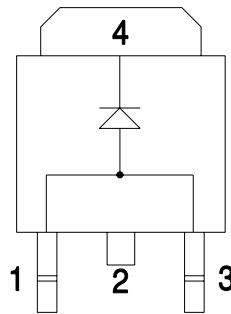
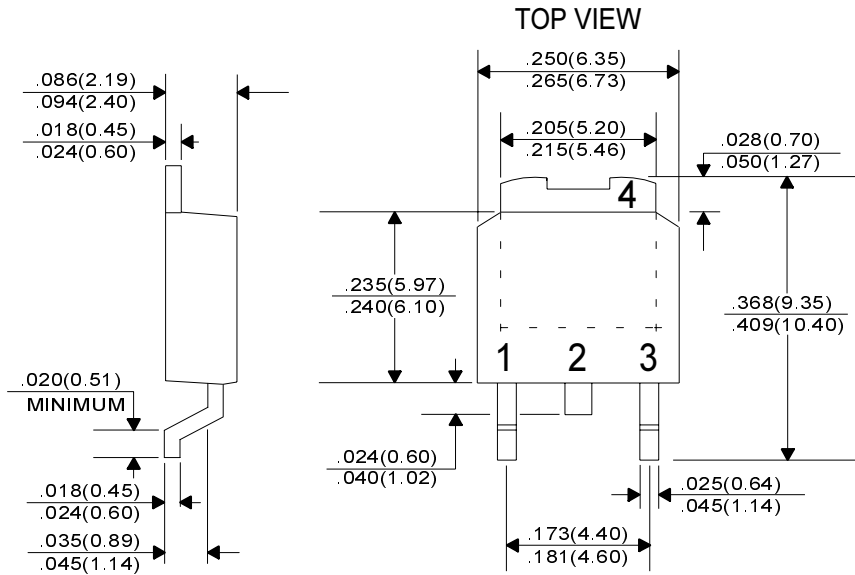
MAXIMUM RATINGS: (T_C=25°C unless otherwise noted)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	45	V
Average Rectified Forward Current (T _C =120°C)	I _O	10	A
Peak Forward Surge Current (tp=10ms)	I _{FSM}	200	A
Peak Repetitive Reverse Surge Current (tp=2μs)	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	°C
Thermal Resistance	θ _{JC}	3.5	°C/W

ELECTRICAL CHARACTERISTICS PER DIODE: (T_C=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
I _R	V _R =45V		40	100	μA
I _R	V _R =45V, TC=125°C			15	mA
V _F	I _F =10A		0.575	0.75	V
V _F	I _F =10A, TC=125°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).