



CSHD5-25L

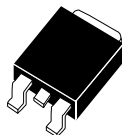
SCHOTTKY RECTIFIER
SINGLE, 5.0 AMPS, 25 VOLTS
LOW FORWARD VOLTAGE DROP

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

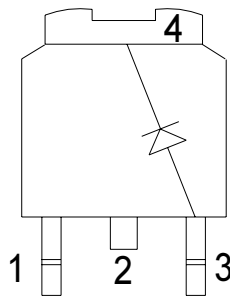
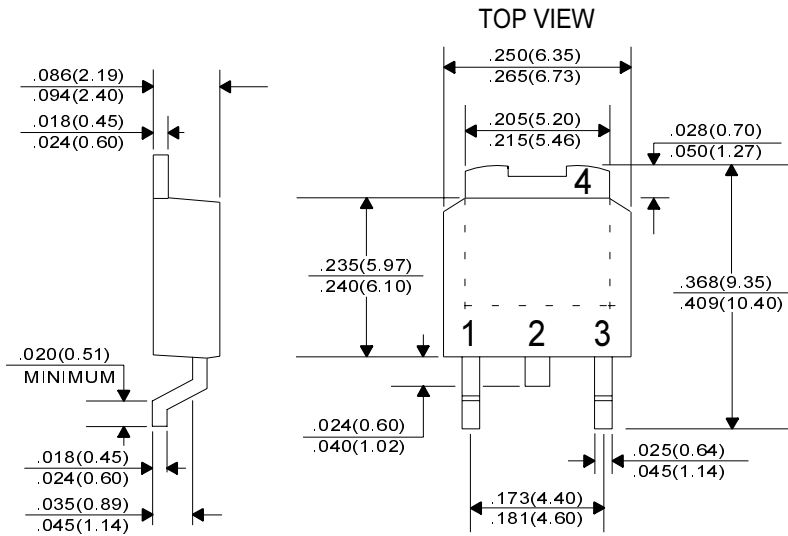
MAXIMUM RATINGS: (T_C=25°C unless otherwise noted)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	25	V
Average Rectified Forward Current (T _C =120°C)	I _O	5.0	A
Peak Forward Surge Current (tp=10ms)	I _{FSM}	80	A
Peak Repetitive Reverse Surge Current (tp=2μs)	I _{RSM}	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}	2.5	°C/W

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
I _R	V _R =25V			500	μA
I _R	V _R =25V, T _C =125°C			200	mA
V _F	I _F =5.0A			0.47	V
V _F	I _F =5.0A, T _C =125°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).