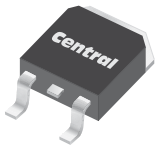
CSHD8-60
CSHD8-100
CSHD8-200

SURFACE MOUNT
SCHOTTKY RECTIFIER
8 AMP, 60 THRU 200 VOLTS



DPAK RECTIFIER CASE

Central Semiconductor Corp.

www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CSHD8 series are silicon Schottky rectifiers with an 8 amp forward current rating and a very high reverse voltage capability. The reverse capability of these devices makes them the ideal solution for high efficiency, high voltage applications such as solid state lighting, DC-DC converters, and a host of other power management uses.

MARKING: FULL PART NUMBER

FEATURES:

- High reverse voltage capability
- Energy efficient, low forward voltage (V_F)
- Low reverse leakage at elevated temperature
- High surge capability

MAXIMUM RATINGS: (T_A=25°C)	**SYMBOL**	**CSHD8-60**	**CSHD8-100**	**CSHD8-200**	**UNITS**
Peak Repetitive Reverse Voltage	V_{RRM}	60	100	200	V
DC Blocking Voltage	V_R	60	100	200	V
RMS Reverse Voltage	$V_{R(RMS)}$	42	70	140	V
Average Forward Current (T_L=75°C)	I_O		8.0		A
Peak Forward Surge Current, tp=8.3ms	I_{FSM}		85		A
Operating and Storage Junction Temperature	T_J, T_{stg}		-65 to +175		°C
Typical Thermal Resistance	Θ_{JL}		5.0		°C/W

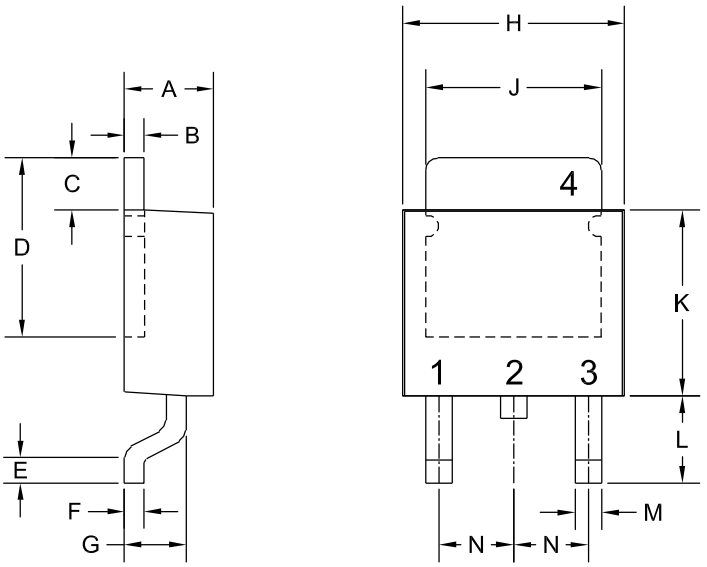
ELECTRICAL CHARACTERISTICS: (T_A=25°C unless otherwise noted)

SYMBOL	**TEST CONDITIONS**	**MAX**	**UNITS**
I_R	V_R=Rated V_{RRM}	50	μA
I_R	V_R=Rated V_{RRM}, T_J=100°C	20	mA
V_F	I_F=8.0A (CSHD8-60)	0.75	V
V_F	I_F=8.0A (CSHD8-100)	0.80	V
V_F	I_F=8.0A (CSHD8-200)	0.90	V

CSHD8-60
CSHD8-100
CSHD8-200

SURFACE MOUNT
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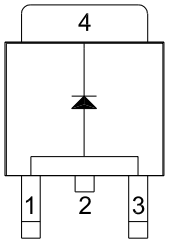
DPAK RECTIFIER CASE - MECHANICAL OUTLINE



R2

LEAD CODE:
1) Anode
2) Cathode
3) Anode
4) Cathode
Pin 2 is Common to Tab (4)

MARKING: FULL PART NUMBER



DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
A	0.083	0.108	2.10	2.75
B	0.016	0.024	0.40	0.60
C	0.063		1.60	
D	0.203	0.219	5.15	5.55
E	0.039		1.00	
F	0.020		0.50	
G	0.051	0.071	1.30	1.80
H	0.248	0.268	6.30	6.80
J	0.197	0.217	5.00	5.50
K	0.209	0.224	5.30	5.70
L	0.090	0.106	2.30	2.70
M	0.012	0.031	0.30	0.80
N	0.091		2.30	

DPAK RECTIFIER (REV: R2)

R2 (1-December 2011)