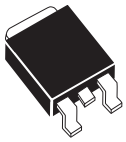
CSHD5-40
CSHD5-60
CSHD5-100

SURFACE MOUNT
SCHOTTKY BARRIER RECTIFIER
5.0 AMP, 40 THRU 100 VOLTS



DPAK RECTIFIER CASE

Central™
Semiconductor Corp.

DESCRIPTION:
The CENTRAL SEMICONDUCTOR 5.0 Amp Surface Mount Silicon Schottky Rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications.

MARKING CODE: FULL PART NUMBER

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

	SYMBOL	CSHD5 -40	CSHD5 -60	CSHD5 -100	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	40	60	100	V
DC Blocking Voltage	V_R	40	60	100	V
RMS Reverse Voltage	$V_{R(RMS)}$	28	42	71	V
Average Forward Current (T_L=75°C)	I_O		5.0		A
Peak Forward Surge Current (8.3ms)	I_{FSM}		100		A
Operating and Storage Junction Temperature	T_J,T_{stg}		-65 to +150		°C
Thermal Resistance	Θ_{JL}		5.0		°C/W

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I_R	V_R=Rated V_{RRM}			0.2	mA
I_R	V_R=Rated V_{RRM}, T_L=100°C			20	mA
V_F	I_F=5.0A (CSHD5-40)			0.55	V
V_F	I_F=5.0A (CSHD5-60)			0.75	V
V_F	I_F=5.0A (CSHD5-100)			0.85	V

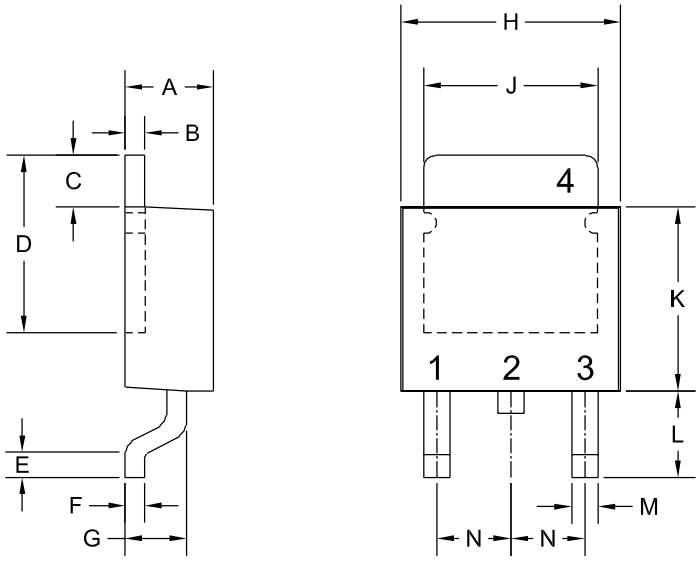
R0 (10-August 2005)

Central™
Semiconductor Corp.

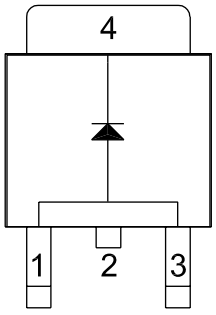
CSHD5-40
CSHD5-60
CSHD5-100

SURFACE MOUNT
SCHOTTKY BARRIER RECTIFIER
5.0 AMP, 40 THRU 100 VOLTS

DPAK RECTIFIER CASE - MECHANICAL OUTLINE



R2



Lead Code
1) Anode
2) Cathode
3) Anode
4) Cathode

MARKING CODE:
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)

R0 (10-August 2005)