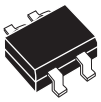
CBRHDSH1-40L

HIGH DENSITY
1.0 AMP DUAL IN LINE
LOW V_F
SCHOTTKY BRIDGE RECTIFIER

HD BRIDGE



HD DIP CASE

Central™
Semiconductor Corp.

DESCRIPTION:
The CENTRAL SEMICONDUCTOR CBRHDSH1-40L type is a full wave bridge rectifier mounted in a durable epoxy surface mount molded case, utilizing glass passivated chips.

MARKING CODE: CSH1

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

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	40	V
DC Blocking Voltage	V_R	40	V
RMS Reverse Voltage	$V_{R(RMS)}$	28	V
Average Forward Current	I_O	1.0	A
Peak Forward Surge Current	I_{FSM}	20	A
Operating and Storage Junction Temperature	T_J,T_{stg}	-65 to +150	°C

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

SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
I_R	V_R=40V	20	50	μA
V_F	I_F=500mA	360	380	mV
V_F	I_F=1.0A	390	440	mV
C_J	V_R=4.0V, f=1.0MHz	150		pF

R0 (6-June 2005)

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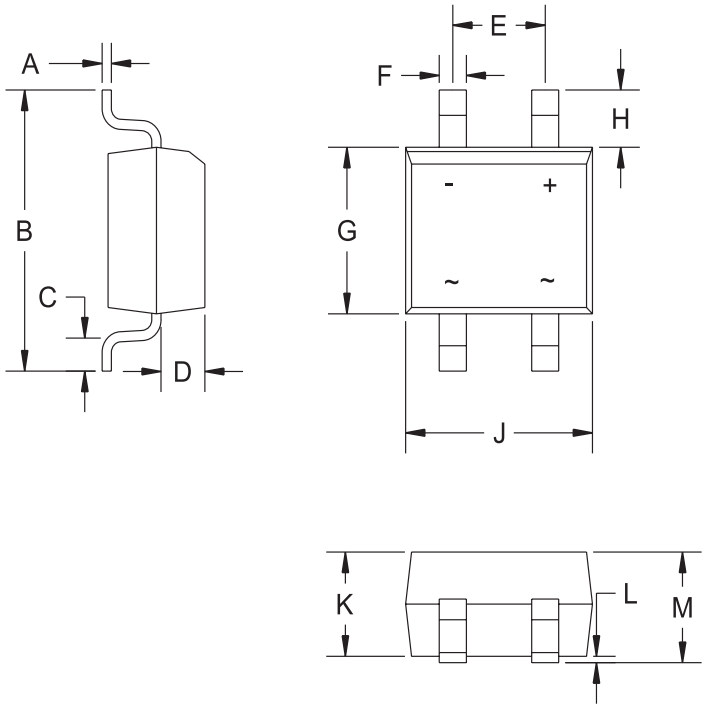
HD DIP CASE - MECHANICAL OUTLINE



R1

MARKING CODE: CSH1

DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
A	0.006	0.014	0.15	0.35
B	-	0.276	-	7.00
C	0.028	0.043	0.70	1.10
D	0.035	0.051	0.90	1.30
E	0.091	0.106	2.30	2.70
F	0.020	0.031	0.50	0.80
G	0.142	0.157	3.60	4.00
H	0.051	0.067	1.30	1.70
J	0.177	0.193	4.50	4.90
K	0.091	0.106	2.30	2.70
L	-	0.008	-	0.20
M	-	0.118	-	3.00

HD DIP (REV: R1)

R0 (6-June 2005)