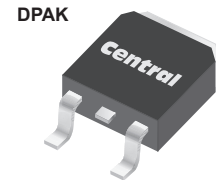


CSHD8-60 CSHD8-100 CSHD8-200

8.0A, 60V, 100V and 200V Schottky Rectifiers in the DPAK package



Central Semiconductor's CSHD8-60 (60V), CSHD8-100 (100V) and CSHD8-200 (200V) devices are silicon Schottky rectifiers with an 8A forward current rating and superior high reverse voltage capability of 60V, 100V or 200V respectively. The exceptional electrical characteristics 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.

Features:

- High reverse voltage capability (V_{RRM})
- Low forward voltage (V_F)
- Low reverse leakage current (I_R)
- High surge current capability (I_{FSM})

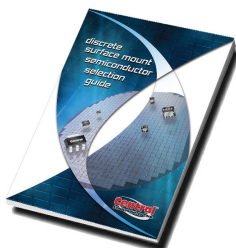
Applications:

- DC-DC output rectification
- Flyback diode
- Reverse polarity protection
- OR-ing diode

Benefits:

- Energy efficiency
- Standard DPAK surface mount package
- Extended temperature range

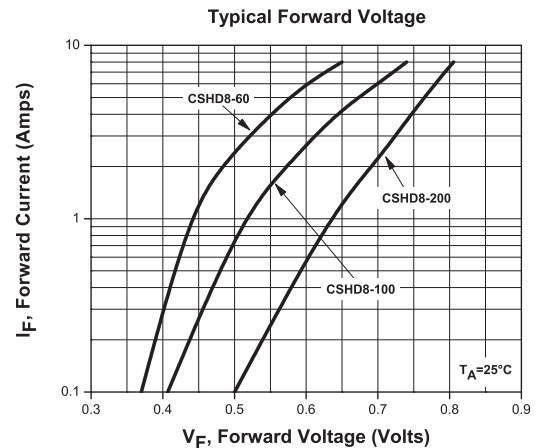
Literature



New
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GUIDE

Order your selection guide today.
Visit: web.centrasemi.com/search/sample.php

Typical Electrical Characteristics



Samples



To order samples of this device visit:
www.centrasemi.com/info/CSHD8

weblink scan

Use QR reader
for direct link to
product web page.

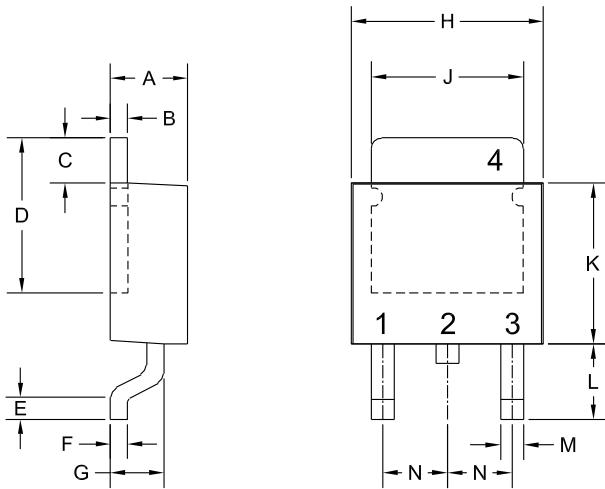


Part No.	Electrical Characteristics: ($T_A = 25^\circ\text{C}$ unless otherwise noted)							Thermal Characteristics
	V_{RRM} (V) MAX	I_O $T_L = 75^\circ\text{C}$ (A) MAX	I_{FSM} $t_p = 8.3\text{ms}$ (A) MAX	V_F (V) MAX	@ I_F (A)	I_R MAX	@ V_R (V)	T_J, T_{stg} ($^\circ\text{C}$) MAX
CSHD8-60	60	8.0	85	0.75	8.0	50 μA 20mA	60 60 ($T_J = 100^\circ\text{C}$)	-65 to +175
CSHD8-100	100	8.0	85	0.80	8.0	50 μA 20mA	100 100 ($T_J = 100^\circ\text{C}$)	-65 to +175
CSHD8-200	200	8.0	85	0.90	8.0	50 μA 20mA	200 200 ($T_J = 100^\circ\text{C}$)	-65 to +175

CSHD8-60 CSHD8-100 CSHD8-200

8.0A, 60V, 100V and 200V Schottky Rectifiers in the DPAK package

Mechanical Drawing - DPAK

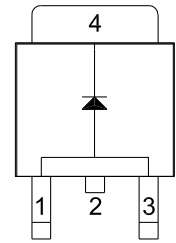


SYMBOL	DIMENSIONS		DIMENSIONS	
	INCHES		MILLIMETERS	
A	0.083	0.108	2.10	2.75
B	0.016	0.024	0.40	0.60
C	0.063		1.60	
D	0.203	0.219	5.15	5.55
E	0.039		1.00	
F	0.020		0.50	
G	0.051	0.071	1.30	1.80
H	0.248	0.268	6.30	6.80
J	0.197	0.217	5.00	5.50
K	0.209	0.224	5.30	5.70
L	0.090	0.106	2.30	2.70
M	0.012	0.031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

DPAK RECTIFIER (REV: R2)

R2

Pinout



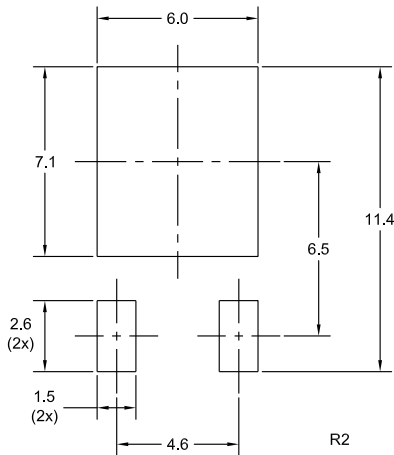
LEAD CODE:

- 1) Anode
 - 2) Cathode
 - 3) Anode
 - 4) Cathode
- Pin 2 is Common to Tab (4)

MARKING:

FULL PART NUMBER

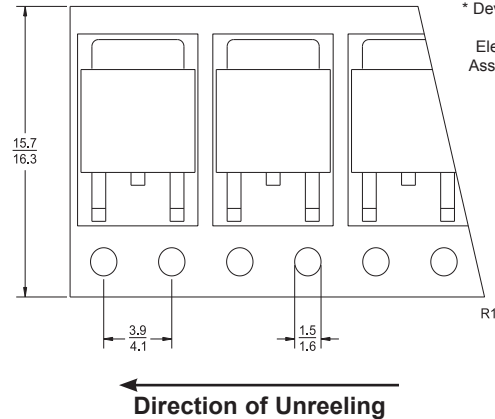
Mounting Pad Geometry (Dimensions in mm)



R2

Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 16mm



* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-2-A

R1

Direction of Unreeling

Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
13"	2,500	CSHD8-60 TR
		CSHD8-100 TR
		CSHD8-200 TR

Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
13"	4	10,000	15x4x15	38x10x38	12	6
	9	22,500	15x15x9	38x38x23	25	12
	18	45,000	15x15x18	38x38x46	49	23

Sample devices available upon request. To order samples of this device visit: www.centrasemi.com/info/CSHD8



For further information contact:
Sales at Central Semiconductor Corp.
(631) 435-1110 or visit:
www.centrasemi.com