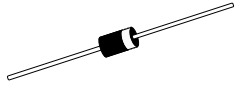


CRSH2 SERIES**SCHOTTKY BARRIER RECTIFIER
2.0 AMPS, 20 THRU 100 VOLTS****CASE DO-15****Central™
Semiconductor Corp.****DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CRSH2 Series types are Schottky Barrier Rectifiers mounted in an axial lead epoxy case using a metal to silicon junction to yield a low forward voltage drop.

MARKING: FULL PART NUMBER**MAXIMUM RATINGS:** ($T_A=25^\circ\text{C}$ unless otherwise noted)

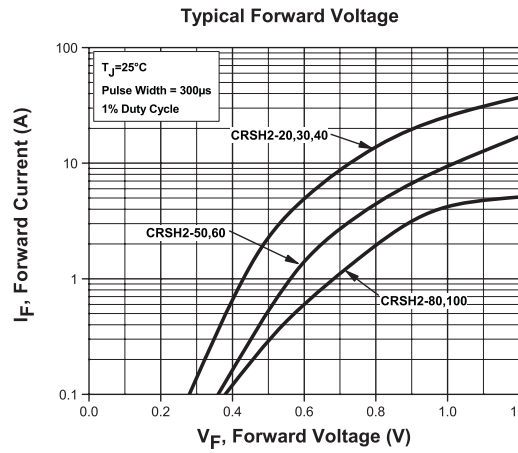
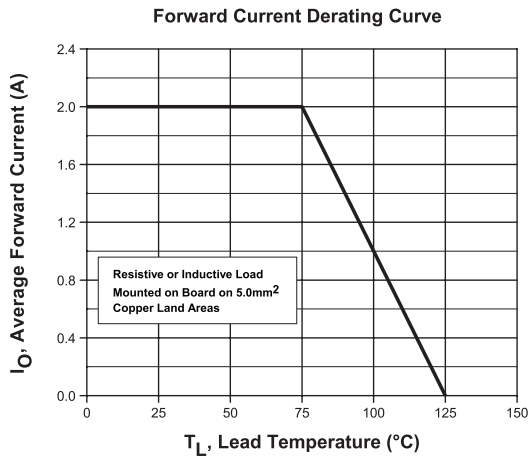
	SYMBOL	CRSH2-							UNITS
		<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>8</u>	<u>10</u>	
Peak Repetitive Reverse Voltage	V_{RRM}	20	30	40	50	60	80	100	V
DC Blocking Voltage	V_R	20	30	40	50	60	80	100	V
RMS Reverse Voltage	$V_{R(RMS)}$	14	21	28	35	42	56	70	V
Average Forward Current ($T_L=75^\circ\text{C}$)	I_O				2.0				A
Peak Forward Surge Current (8.3ms)	I_{FSM}				50				A
Operating and Storage Junction Temperature	T_J, T_{stg}				-65 to +125				$^\circ\text{C}$
Thermal Resistance	θ_{JA}				35				$^\circ\text{C/W}$

ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$ unless otherwise noted)

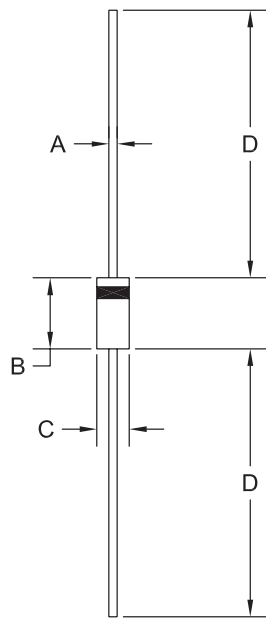
SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
I_R	$V_R=\text{Rated } V_{RRM}$		0.5	mA
I_R	$V_R=\text{Rated } V_{RRM} (T_A=100^\circ\text{C})$		20	mA
V_F	$I_F=2.0\text{A} (20\text{V}, 30\text{V}, 40\text{V})$		0.5	V
V_F	$I_F=2.0\text{A} (50\text{V}, 60\text{V})$		0.7	V
V_F	$I_F=2.0\text{A} (80\text{V}, 100\text{V})$		0.85	V
C_J	$V_R=4.0, f=1.0\text{MHz}$	170		pF

CRSH2 SERIES

SCHOTTKY BARRIER RECTIFIER 2.0 AMPS, 20 THRU 100 VOLTS



DO-15 CASE - MECHANICAL OUTLINE



R1

SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.028	0.034	0.71	0.86
B	0.230	0.300	5.84	7.62
C	0.104	0.140	2.64	3.56
D	1.000	-	25.40	-

DO-15 (REV: R1)

MARKING: FULL PART NUMBER

R2 (24-October 2008)

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

Corporate Headquarters & Customer Support Team

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www.centrasemi.com/wwreps

Worldwide Distributors:
www.centrasemi.com/wwdistributors

For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: www.centrasemi.com/terms



http://www.centrasemi.com

Product End of Life Notification

PDN ID:	PDN01035
Notification Date:	8/11/16
Last Buy Date:	2/11/17
Last Shipment Date	8/11/17

Summary: The CRSH2 series of 2A Schottky rectifiers is being discontinued and is now classified as End of Life (EOL).

Although Central Semiconductor Corp. makes every effort to continue to produce devices that have been proclaimed EOL (End of Life) by various manufacturers, it is an accepted industry practice to discontinue certain devices when customer demand falls below a minimum level of sustainability. Accordingly, the following product(s) have been transitioned to End of Life status as part of Central's Product Management Process. Any replacement product will be noted below. The effective date for placing the last purchase order will be six(6) months from the date of this notice and twelve(12) months from the notice date for final shipments; this may be extended if inventory is available.

<u>Central Part Number</u>	<u>Replacement</u>
CRSH2-10 BK	N/A
CRSH2-10 TR	N/A
CRSH2-2 BK	N/A
CRSH2-2 TR	N/A
CRSH2-4 BK	N/A
CRSH2-4 TR	N/A
CRSH2-4M TR	N/A
CRSH2-5 BK	N/A
CRSH2-5 TR	N/A
CRSH2-6 BK	N/A

Central would be happy to assist you by providing additional information or technical data to help locate an alternate source if we have no replacement available. Please email your requests to engineering@centrasemi.com.

DISCLAIMER: This End of Life (EOL) notification is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor Corp. will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.