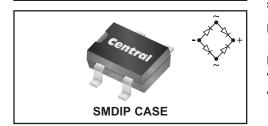
CBRSDSH2-60

SURFACE MOUNT 2 AMP SILICON SCHOTTKY BRIDGE RECTIFIER





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DESCRIPTION:

The CENTRAL SEMICONDUCTOR CBRSDSH2-60 is a full wave bridge rectifier mounted in a durable epoxy surface mount case, utilizing glass passivated chips.

MARKING: FULL PART NUMBER

FEATURES:

- Low Leakage Current (70 μ A MAX @ V_RRM)
- Low V_F Schottky Diodes (600mV MAX @ I_F=2.0A)

MAXIMUM RATINGS: (T _A =25°C unless otherwise noted) Peak Repetitive Reverse Voltage	SYMBOL V _{RRM}	60	UNITS V
DC Blocking Voltage	V _R	60	V
RMS Reverse Voltage	V _{R(RMS)}	42	V
Average Forward Current	IO	2.0	А
Peak Forward Surge Current (8.3ms)	IFSM	110	А
Operating and Storage Junction Temperature	TJ, Tstg	-50 to +125	°C
Typical Thermal Resistance (Note 1)	Θ_{JA}	40	°C/W
Typical Thermal Resistance	Θ _{JL}	15	°C/W

ELECTRIC	AL CHARACTERISTICS PER DIODE: (TA=25°C unle	ess otherwise not	ed)	
SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
IR	V _R =60V	30	70	μA
V _F	I _F =2.0A		600	mV
СЈ	V _R =4.0V, f=1.0MHz	300	500	pF
Nietzer (1) De	viene meunted on DCD with 12mm v 12mm conner node			

Notes: (1) Devices mounted on PCB with 13mm x 13mm copper pads.

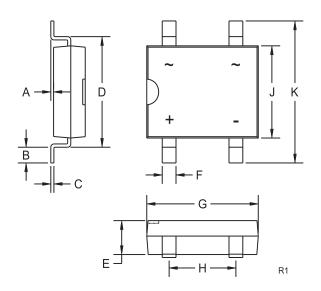
R1 (28-November 2011)



CBRSDSH2-60

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SMDIP CASE - MECHANICAL OUTLINE



DIMENSIONS			
INCHES		MILLIMETERS	
MIN	MAX	MIN	MAX
0.004	0.008	0.10	0.20
0.040	0.060	1.02	1.52
0.009		0.23	
0.290	0.310	7.37	7.87
0.086	0.098	2 <u>.</u> 18	2.49
0.038	0.042	0.97	1.07
0.316	0.335	8.03	8.51
0.195	0.205	4.95	5.21
0.245	0.255	6.22	6.48
0.360	0.410	9.14	10.41
	INC MIN 0.004 0.040 0.290 0.086 0.038 0.316 0.195 0.245	INCHES MIN MAX 0.004 0.008 0.040 0.060 0.099 0.310 0.038 0.042 0.316 0.335 0.195 0.205 0.245 0.255 0.360 0.410	INC+ES MILLIM MIN MAX MIN 0.004 0.008 0.10 0.040 0.060 1.02 0.009 0.10 0.290 0.290 0.310 7.37 0.086 0.098 2.18 0.038 0.042 0.97 0.316 0.335 8.03 0.195 0.205 4.95 0.245 0.255 6.22

SMDIP (REV: R1)

MARKING: FULL PART NUMBER

R1 (28-November 2011)

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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

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

ss your design challenges.

· Custom product packing

- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- · Application and design sample kits

Custom bar coding for shipments

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).
- 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

Central Semiconductor Corp. 145 Adams Avenue Hauppauge, NY 11788 USA Main Tel: (631) 435-1110 Main Fax: (631) 435-1824 Support Team Fax: (631) 435-3388 www.centralsemi.com

Worldwide Field Representatives: www.centralsemi.com/wwreps

Worldwide Distributors: www.centralsemi.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: <u>www.centralsemi.com/terms</u>





http://www.centralsemi.com

Product End of Life Notification

PDN ID:	PDN01137
Notification Date:	11/22/19
Last Buy Date:	Stock Only
Last Shipment Date	Stock Only

Please be advised that Central Semiconductor must immediately discontinue the product(s) listed in the attached PDN notice. We are unable to accept any further orders for these products **unless** we have available inventory on hand.

You may have purchased one or more of the products listed. Please do not hesitate to contact your local Central Semiconductor sales representative with any questions or needs you may have. Central regrets any inconvenience this may cause.

Sincerely,

Central Semiconductor Corp.

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.



Product End of Life Notification

PDN ID:	PDN01137
Notification Date:	11/22/19
Last Buy Date:	Stock Only
Last Shipment Date	Stock Only

Summary: Central's 2.0 amp Schottky bridge rectifiers in the SMDIP package are discontinued and 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 other 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 ongoing Product Management Process. Any replacement products are noted below. The effective date for placing last purchase orders will be six (6) months from the date of this notice and twelve (12) months from the notice date for final shipments, and minimum order quantities may apply. The last purchase and shipment dates may be extended if inventory is available.

Central Part Number	Replacement
CBRSDSH2-100	CBRHDSH2-100 TR13
CBRSDSH2-100 TR13	CBRHDSH2-100 TR13
CBRSDSH2-40 BK	CBRHDSH2-40 BK
CBRSDSH2-40 TR13	CBRHDSH2-40 TR13
CBRSDSH2-60 BK	CBRHDSH2-100 TR13
CBRSDSH2-60 TR13	CBRHDSH2-100 TR13

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@centralsemi.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.