

1N5279B
1N5280B
1N5281B

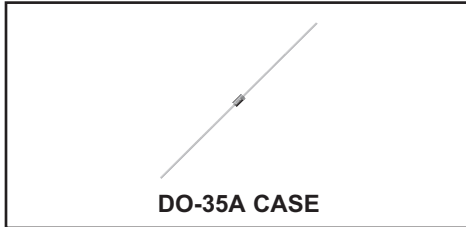
SILICON ZENER DIODES
500mW, 180 THRU 200 VOLT
5% TOLERANCE



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 1N5279B, 1N5280B, and 1N5281B silicon Zener diodes are high voltage regulators for use in industrial and commercial applications.



MAXIMUM RATINGS: ($T_L=75^\circ\text{C}$)

Power Dissipation
Operating and Storage Junction Temperature

SYMBOL

P_D
 T_J, T_{stg}

UNIT

500
-65 to +200
mW
 $^\circ\text{C}$

ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$), $V_F=1.2\text{V MAX @ } I_F=200\text{mA}$

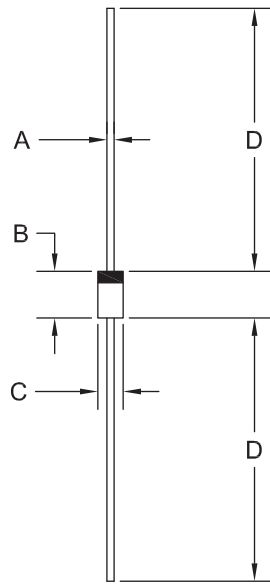
Type	Zener Voltage $V_Z @ I_{ZT}$			Test Current	Maximum Zener Impedance			Maximum Reverse Current		Maximum Temperature Coefficient
	MIN	NOM	MAX		I_{ZT}	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	$I_R @ V_R$	$\ominus V_Z$	
	V	V	V	mA	Ω	Ω	mA	μA	V	$\%/^\circ\text{C}$
1N5279B	171.0	180	189.0	0.68	2200	6000	0.25	0.1	137	+0.11
1N5280B	180.5	190	199.5	0.66	2400	6500	0.25	0.1	144	+0.11
1N5281B	190.0	200	210.0	0.65	2500	7000	0.25	0.1	152	+0.11

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DO-35A CASE - MECHANICAL OUTLINE



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.018	0.022	0.46	0.56
B	0.120	0.200	3.05	5.08
C	0.060	0.118	1.52	3.00
D	1.000	-	25.40	-

DO-35A (REV: R0)

R0

R1 (11-September 2013)

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

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.centrasemi.com

Worldwide Field Representatives:
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

Product End of Life Notification

PDN ID:	PDN01089
Notification Date:	5/02/18
Last Buy Date:	11/02/18
Last Shipment Date	5/02/19

Summary: All high voltage 500mW Zener diodes in the DO-35 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.

<u>Central Part Number</u>	<u>Replacement</u>
1N5263B BK	N/A
1N5263B TR	N/A
1N5264B BK	N/A
1N5264B TR	N/A
1N5265B BK	N/A
1N5265B TR	N/A
1N5266B BK	N/A
1N5266B TR	N/A
1N5267B BK	N/A
1N5267B TR	N/A
1N5268B AP	N/A
1N5268B BK	N/A
1N5268B TR	N/A
1N5269B AP	N/A
1N5269B BK	N/A
1N5269B TR	N/A
1N5270B AP	N/A
1N5270B BK	N/A
1N5270B TR	N/A
1N5271B AP	N/A
1N5271B BK	N/A
1N5271B TR	N/A
1N5272B AP	N/A
1N5272B BK	N/A
1N5272B TR	N/A
1N5273B AP	N/A
1N5273B BK	N/A
1N5273B TR	N/A
1N5274 TR	N/A
1N5274B BK	N/A
1N5274B TR	N/A
1N5275B BK	N/A
1N5275B TR	N/A
1N5276B BK	N/A
1N5276B TR	N/A
1N5277B BK	N/A
1N5277B TR	N/A
1N5278B BK	N/A

*** CONTINUED ***

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.



<http://www.centrasemi.com>

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*** CONTINUED FROM PRIOR PAGE ***

<u>Central Part Number</u>	<u>Replacement</u>
1N5278B TR	N/A
1N5279B BK	N/A
1N5279B TR	N/A
1N5280B BK	N/A
1N5280B TR	N/A
1N5281B BK	N/A
1N5281B TR	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.

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