

1N5279B  
1N5280B  
1N5281B

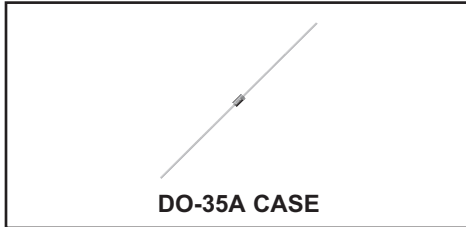
**SILICON ZENER DIODES**  
**500mW, 180 THRU 200 VOLT**  
**5% TOLERANCE**



[www.centrasemi.com](http://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:** ( $T_A=25^\circ\text{C}$ ),  $V_F=1.2\text{V MAX @ } I_F=200\text{mA}$

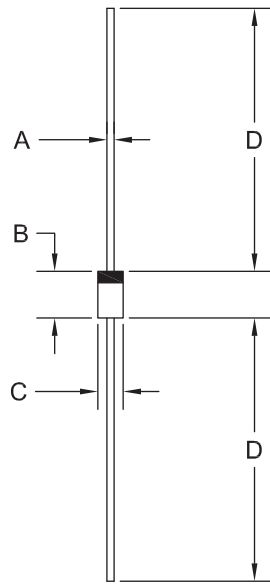
Type	Zener Voltage $V_Z @ I_{ZT}$			Test Current	Maximum Zener Impedance			Maximum Reverse Current		Maximum Temperature Coefficient
	MIN	NOM	MAX		$I_{ZT}$	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	$I_R @ V_R$	$\ominus V_Z$	
	V	V	V	mA	$\Omega$	$\Omega$	mA	$\mu\text{A}$	V	$\% / ^\circ\text{C}$
1N5279B	171.0	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



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### 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

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### DESIGNER SUPPORT/SERVICES

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

- Free quick ship samples (2<sup>nd</sup> 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

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### CONTACT US

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