

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Central Semiconductor Corp](#)  
[1N5279B TR](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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<sub>L</sub>=75°C)

Power Dissipation

Operating and Storage Junction Temperature

**SYMBOL**

P<sub>D</sub>

T<sub>J</sub>, T<sub>stg</sub>

500

-65 to +200

**UNIT**

mW

°C

**ELECTRICAL CHARACTERISTICS:** (T<sub>A</sub>=25°C), V<sub>F</sub>=1.2V MAX @ I<sub>F</sub>=200mA

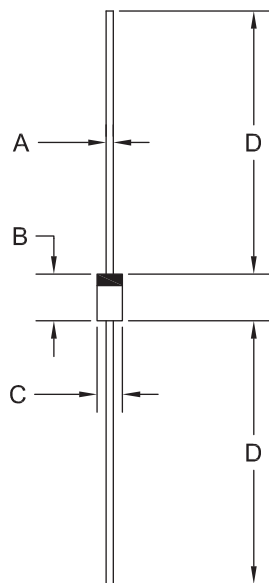
Type	Zener Voltage V <sub>Z</sub> @ I <sub>ZT</sub>			Test Current I <sub>ZT</sub>	Maximum Zener Impedance			Maximum Reverse Current		Maximum Temperature Coefficient ⊖V <sub>Z</sub>
	MIN	NOM	MAX		Z <sub>ZT</sub> @ I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub>	I <sub>R</sub> @ V <sub>R</sub>			
	V	V	V	mA	Ω	Ω	mA	μA	V	%/°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

1N5279B  
1N5280B  
1N5281B

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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

#### Corporate Headquarters & Customer Support Team

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