



**AMERICAN MICROSEMICONDUCTOR INC**  
 P. O. Box 104  
 Madison, New Jersey 07940 U.S.A.  
<http://www.americanmicrosemi.com>  
 email: [sales@americanmicrosemi.com](mailto:sales@americanmicrosemi.com)  
 Phone: (973) 377-9566 Fax: (973) 377-3078

**1N4565  
 thru  
 1N4584A**

**TEMPERATURE COMPENSATED ZENER REFERENCE DIODES  
 6.4 VOLT NOMINAL ZENER VOLTAGE**

**FEATURES**

- 6.4 V ±5% Zener Voltage (Note 1)
- Temperature Coefficient Range: .01 to .0005%/°C
- Zener Test Current Range: 500uA to 4 mA

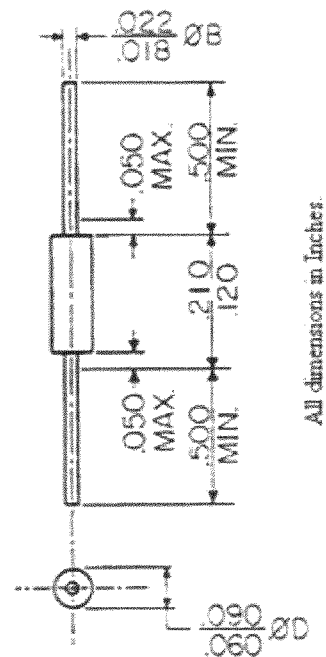
**MAXIMUM RATINGS**

- Operating Temperature: -55 °C to +175 °C
- Storage Temperature: -55 °C to +175 °C
- DC Power Dissipation: 400 mW at 50 °C
- Power Derating: 3.2 mW/°C above 50 °C

**ELECTRICAL CHARACTERISTICS @ 25 °C, unless otherwise specified**

| JEDEC TYPE NUMBERS | ZENER TEST CURRENT - I <sub>ZT</sub> (Note 1)<br>mA | MAXIMUM DYNAMIC ZENER IMPEDANCE Z <sub>01</sub> (Note 2)<br>Ohms | MAXIMUM VOLTAGE TEMPERATURE COEFFICIENT |            |                         |
|--------------------|---|--|---|------------|-------------------------|
|                    |   |  | ±%/°C                                   | ±mV/°C     | TEMP RANGE °C           |
| 1N4565<br>1N4565A  | .5<br>.5  | 200<br>200   | .01<br>.01                              | .64<br>.64 | 0 to +75<br>-55 to +100 |
| 1N4566<br>1N4566A  | .5<br>.5  | 200<br>200   | .005<br>.005                            | .32<br>.32 | 0 to +75<br>-55 to +100 |
| 1N4567<br>1N4567A  | .5<br>.5  | 200<br>200   | .002<br>.002                            | .13<br>.13 | 0 to +75<br>-55 to +100 |
| 1N4568<br>1N4568A  | .5<br>.5  | 200<br>200   | .001<br>.001                            | .06<br>.06 | 0 to +75<br>-55 to +100 |
| 1N4569<br>1N4569A  | .5<br>.5  | 200<br>200   | .0005<br>.0005                          | .03<br>.03 | 0 to +75<br>-55 to +100 |
| 1N4570<br>1N4570A  | 1.0<br>1.0  | 100<br>100   | .01<br>.01                              | .64<br>.64 | 0 to +75<br>-55 to +100 |
| 1N4571<br>1N4571A  | 1.0<br>1.0  | 100<br>100   | .005<br>.005                            | .32<br>.32 | 0 to +75<br>-55 to +100 |
| 1N4572<br>1N4572A  | 1.0<br>1.0  | 100<br>100   | .002<br>.002                            | .13<br>.13 | 0 to +75<br>-55 to +100 |
| 1N4573<br>1N4573A  | 1.0<br>1.0  | 100<br>100   | .001<br>.001                            | .06<br>.06 | 0 to +75<br>-55 to +100 |
| 1N4574<br>1N4574A  | 1.0<br>1.0  | 100<br>100   | .0005<br>.0005                          | .03<br>.03 | 0 to +75<br>-55 to +100 |
| 1N4575<br>1N4575A  | 2.0<br>2.0  | 50<br>50   | .01<br>.01                              | .64<br>.64 | 0 to +75<br>-55 to +100 |
| 1N4576<br>1N4576A  | 2.0<br>2.0  | 50<br>50   | .005<br>.005                            | .32<br>.32 | 0 to +75<br>-55 to +100 |
| 1N4577<br>1N4577A  | 2.0<br>2.0  | 50<br>50   | .002<br>.002                            | .13<br>.13 | 0 to +75<br>-55 to +100 |
| 1N4578<br>1N4578A  | 2.0<br>2.0  | 50<br>50   | .001<br>.001                            | .06<br>.06 | 0 to +75<br>-55 to +100 |
| 1N4579<br>1N4579A  | 2.0<br>2.0  | 50<br>50   | .0005<br>.0005                          | .03<br>.03 | 0 to +75<br>-55 to +100 |
| 1N4580A<br>1N4580A | 4.0<br>4.0  | 25<br>25   | .01<br>.01                              | .64<br>.64 | 0 to +75<br>-55 to +100 |
| 1N4581<br>1N4581A  | 4.0<br>4.0  | 25<br>25   | .005<br>.005                            | .32<br>.32 | 0 to +75<br>-55 to +100 |
| 1N4582<br>1N4582A  | 4.0<br>4.0  | 25<br>25   | .002<br>.002                            | .13<br>.13 | 0 to +75<br>-55 to +100 |
| 1N4583<br>1N4583A  | 4.0<br>4.0  | 25<br>25   | .001<br>.001                            | .06<br>.06 | 0 to +75<br>-55 to +100 |
| 1N4584<br>1N4584A  | 4.0<br>4.0  | 25<br>25   | .0005<br>.0005                          | .03<br>.03 | 0 to +75<br>-55 to +100 |

**D0-35**



All dimensions in Inches.

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