## **MECHANICAL CASE OUTLINE** PACKAGE DIMENSIONS

**ON Semiconductor** 



SOD-923 CASE 514AA-01 ISSUE E



STYLE 2 STYLE 1 SCALE 8:1







## **SOLDERING FOOTPRINT\***



See Application Note AND8455/D for more mounting details

\*For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

DATE 09 MAR 2011

NOTES

- 1. DIMENSIONING AND TOLERANCING PER ASME 2.
- Y14.5M, 1994. CONTROLLING DIMENSION: MILLIMETERS. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH. MINIMUM LEAD THICKNESS IS THE З.
- MINIMUM THICKNESS OF BASE MATERIAL. 4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS.

|     | MILLIMETERS |      |      | INCHES    |       |       |
|-----|-------------|------|------|-----------|-------|-------|
| DIM | MIN         | NOM  | MAX  | MIN       | NOM   | MAX   |
| Α   | 0.34        | 0.39 | 0.43 | 0.013     | 0.015 | 0.017 |
| b   | 0.15        | 0.20 | 0.25 | 0.006     | 0.008 | 0.010 |
| С   | 0.07        | 0.12 | 0.17 | 0.003     | 0.005 | 0.007 |
| D   | 0.75        | 0.80 | 0.85 | 0.030     | 0.031 | 0.033 |
| E   | 0.55        | 0.60 | 0.65 | 0.022     | 0.024 | 0.026 |
| HE  | 0.95        | 1.00 | 1.05 | 0.037     | 0.039 | 0.041 |
| L   | 0.19 REF    |      |      | 0.007 REF |       |       |
| L2  | 0.05        | 0.10 | 0.15 | 0.002     | 0.004 | 0.006 |

## GENERIC **MARKING DIAGRAM\***



Х = Specific Device Code Μ = Date Code

\*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot " .", may or may not be present.

STYLE 1: PIN 1. CATHODE (POLARITY BAND) 2. ANODE STYLE 2: NO POLARITY

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| NEW STANDARD:    |   | "CONTROLLED COPY" in red.           |             |  |
| DESCRIPTION:     | SOD-923, 1.0X0.6X0.39, MAX HEIGHT (   | ).43                                | PAGE 1 OF 2 |  |





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| ISSUE | REVISION   | DATE        |  |  |  |  |
|-------|--|-------------|--|--|--|--|
| 0     | RELEASED FOR PRODUCTION. REQ. BY D. TRUHITTE.  | 14 NOV 2005 |  |  |  |  |
| А     | CHANGED DIMENSIONS C AND L. REQ. BY D. TRUHITTE.                                       | 18 NOV 2005 |  |  |  |  |
| В     | CHANGED DIMENSION TABLE VALUES. REQ. BY D. TRUHITTE.                                   | 03 APR 2006 |  |  |  |  |
| С     | CHANGED DIMENSION A. REQ. BY D. TRUHITTE.  | 30 NOV 2006 |  |  |  |  |
| D     | CREATED CATHODE AND NON-CATHODE BAND VERSIONS.<br>REQ. BY J. DAUGHERTY.                | 07 MAR 2007 |  |  |  |  |
| E     | ADDED BOTTOM VIEW AND DIMENSION L2. MODIFIED SOLDER FOOTRPINT.<br>REQ. BY D. TRUHITTE. | 09 MAR 2011 |  |  |  |  |
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