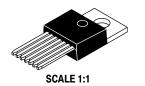
## **MECHANICAL CASE OUTLINE**

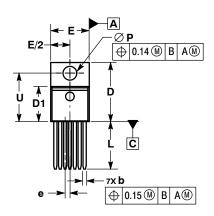
**PACKAGE DIMENSIONS** 

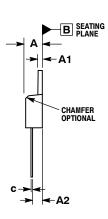




TO-220 7-LEAD CASE 821E-04 ISSUE E

**DATE 16 SEP 2009** 





- NOTES:

  1. DIMENSIONING AND TOLERANCING PER ASME
  Y14.5M, 1994.
  2. CONTROLLING DIMENSION: INCHES.
  3. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH AND GATE
  PROTRUSIONS. MOLD FLASH AND GATE PROTRUSIONS NOT TO
  EXCEED 0.005 PER SIDE. THESE DIMENSIONS ARE TO BE
- MEASURED AT OUTERMOST EXTREME OF THE PLASTIC BODY.

  3. DIMENSIONS b DOES NOT INCLUDE DAMBAR PROTRUSION. LEAD WIDTH INCLUDING PROTRUSION SHALL NOT EXCEED 0.043.

	INCHES MILLIMETER		IETERS	
DIM	MIN	MAX	MIN	MAX
Α	0.140	0.190	3.56	4.83
A1	0.020	0.055	0.51	1.40
A2	0.080	0.115	2.03	2.92
b	0.025	0.040	0.64	1.02
С	0.014	0.026	0.36	0.66
D	0.560	0.625	14.22	15.88
D1	0.320	0.390	8.13	9.91
Е	0.380	0.420	9.65	10.67
е	0.050 BSC		1.27 BSC	
L	0.500	0.580	12.70	14.73
P	0.139	0.161	3.53	4.09
U	0.465	0.501	11.81	12.73

## **GENERIC MARKING DIAGRAM\***



= Assembly Location

WL = Wafer Lot = Year

WW = Work Week

G = Pb-Free Package

\*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.

DOCUMENT NUMBER:	98ASB42730B
STATUS:	ON SEMICONDUCTOR STANDARD
NEW STANDARD:	
DESCRIPTION:	TO-220 7-LEAD

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DOCUMENT	NUMBER:
98ASB42730	В

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ISSUE	REVISION	DATE
D	CHANGED OWNERSHIP TO ON SEMICONDUCTOR.	29 SEP 2000
E	CHANGES RELATED TO CARSEM TO SEREMBAN TRANSFER. REDREW TO JEDEC STANDARDS. ADDED MARKING DIAGRAM. REQ. BY B. FONTES.	16 SEP 2009

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