## **MECHANICAL CASE OUTLINE** PACKAGE DIMENSIONS

**ON Semiconductor** 



CASE 873B-02

TQFP

**ISSUE A** 

DATE 11/14/1997

SCALE 2:1



# **DIMENSIONS AND NOTES ON PAGE 2**

1

### TQFP CASE 873B-02 **ISSUE A**

#### DATE 11/14/1997

#### NOTES:

- DIMENSIONS AND TOLERANCING PER ASME Y14.5M, 1994.
- CONTROLLING DIMENSION: MILLIMETER. DATUM PLANE AB IS LOCATED AT BOTTOM OF 2. 3.
- LEAD AND IS COINCIDENT WITH THE LEAD WHERE THE LEAD EXITS THE PLASTIC BODY AT
- WHERE THE LEAD EATS THE PLASTIC BOOT A THE BOTTOM OF THE PARTING LINE.
  DATUMS T, U AND Z TO BE DETERMINED AT DATUM PLANE AB.
  DIMENSIONS S AND V TO BE DETERMINED AT
- 6.
- DIMENSIONS A AND B DO NOT INCLUDE MOLD PROTRUSIONS A AND B DO NOT INCLUDE MOLD PROTRUSIONS. ALLOWABLE PROTRUSION IS 0.25 PER SIDE. DIMENSIONS A AND B DO INCLUDE MOLD MISMATCH AND ARE DETERMINED AT DATUM PLANE AB. DIMENSION D DOES NOT INCLUDE DAMBAR
- 7 PROTRUSION. DAMBAR PROTRUSION SHALL NOT CAUSE THE D DIMENSION TO EXCEED 0.533.
- 8. MINIMUM SOLDER PLATE THICKNESS SHALL BE 0.0076. EXACT SHAPE OF EACH CORNER MAY VARY
- FROM DEPICTION.

	MILLIMETERS	
DIM	MIN	MAX
Α	6.950	7.050
В	6.950	7.050
С	1.000	1.200
D	0.300	0.450
Ε	0.950	1.050
F	0.300	0.400
G	0.800 BSC	
Н	0.050	0.150
J	0.090	0.200
К	0.500	0.700
М	12°REF	
Ν	0.090	0.178
Р	0.400 BSC	
Q	0 °	7 °
R	0.150	0.250
S	8.950	9.050
V	8.950	9.050
W	0.200 REF	
Х	1.000 REF	

ON Semiconductor and 🌑 are trademarks of Semiconductor Components Industries, LLC (SCILLC). SCILLC reserves the right to make changes without further notice to any products herein. SCILLC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does SCILLC assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. "Typical" parameters which may be provided in SCILLC data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. SCILLC does not convey any license under its patent rights nor the rights of others. SCILLC products are not designed, intended, or authorized for use as components in systems intended for surgical implant into the body, or other applications intended to support or sustain life, or for any other application in which the failure of the SCILLC product could create a situation where personal injury or death may occur. Should Buyer purchase or use SCILLC products for any such unintended or unauthorized application, Buyer shall indemnify and hold SCILLC and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that SCILLC was negligent regarding the design or manufacture of the part. SCILLC is an Equal Opportunity/Affirmative Action Employer.