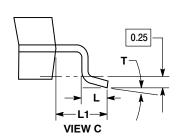


SOT-23 (TO-236) CASE 318-08 **ISSUE AS** 

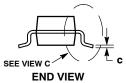
**DATE 30 JAN 2018** 

# SCALE 4:1 D - 3X b

**TOP VIEW** 







### **RECOMMENDED SOLDERING FOOTPRINT**



DIMENSIONS: MILLIMETERS

#### NOTES:

- NOTES:
  1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
  2. CONTROLLING DIMENSION: MILLIMETERS.
  3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH.
  MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF THE 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	0.89	1.00	1.11	0.035	0.039	0.044	
A1	0.01	0.06	0.10	0.000	0.002	0.004	
b	0.37	0.44	0.50	0.015	0.017	0.020	
С	0.08	0.14	0.20	0.003	0.006	0.008	
D	2.80	2.90	3.04	0.110	0.114	0.120	
E	1.20	1.30	1.40	0.047	0.051	0.055	
е	1.78	1.90	2.04	0.070	0.075	0.080	
L	0.30	0.43	0.55	0.012	0.017	0.022	
L1	0.35	0.54	0.69	0.014	0.021	0.027	
HE	2.10	2.40	2.64	0.083	0.094	0.104	
Т	0°		10°	0°		10°	

## **GENERIC MARKING DIAGRAM\***



XXX = Specific Device Code

= Date Code

= 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.

STYLE 1 THRU 5: CANCELLED	STYLE 6: PIN 1. BASE 2. EMITTER 3. COLLECTOR	STYLE 7: PIN 1. EMITTER 2. BASE 3. COLLECTOR	STYLE 8: PIN 1. ANODE 2. NO CONNECTION 3. CATHODE	ı	
STYLE 9:	STYLE 10:	STYLE 11: PIN 1. ANODE 2. CATHODE 3. CATHODE-ANODE	STYLE 12:	STYLE 13:	STYLE 14:
PIN 1. ANODE	PIN 1. DRAIN		PIN 1. CATHODE	PIN 1. SOURCE	PIN 1. CATHODE
2. ANODE	2. SOURCE		2. CATHODE	2. DRAIN	2. GATE
3. CATHODE	3. GATE		3. ANODE	3. GATE	3. ANODE
STYLE 15:	STYLE 16:	STYLE 17: PIN 1. NO CONNECTION 2. ANODE 3. CATHODE	STYLE 18:	STYLE 19:	STYLE 20:
PIN 1. GATE	PIN 1. ANODE		PIN 1. NO CONNECTION	I PIN 1. CATHODE	PIN 1. CATHODE
2. CATHODE	2. CATHODE		2. CATHODE	2. ANODE	2. ANODE
3. ANODE	3. CATHODE		3. ANODE	3. CATHODE-ANODE	5. GATE
STYLE 21:	STYLE 22:	STYLE 23:	STYLE 24:	STYLE 25:	STYLE 26:
PIN 1. GATE	PIN 1. RETURN	PIN 1. ANODE	PIN 1. GATE	PIN 1. ANODE	PIN 1. CATHODE
2. SOURCE	2. OUTPUT	2. ANODE	2. DRAIN	2. CATHODE	2. ANODE
3. DRAIN	3. INPUT	3. CATHODE	3. SOURCE	3. GATE	3. NO CONNECTION
STYLE 27: PIN 1. CATHODE 2. CATHODE	STYLE 28: PIN 1. ANODE 2. ANODE				

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DESCRIPTION:	SOT-23 (TO-236)		PAGE 1 OF 1

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