



S Y M	COMMON DIMENSIONS			N O
M B O L	MIN	NOM	MAX	0 T E
A2 b	1.25	_	_	
b	0.31	_	0.51	7,8
b1	0.28	_	0.48	7,8
С	0.10	_	0.25	7
c1 E	0.10	_	0.23	7
Е				
E1		3,4		
е				
L	0.40	1.04 REF	1.27	
L1				
L2		0.25 BSC		
R	0.07	_	-	
R1	0.07	_	-	
h	0.25	_	0.50	9
Θ	0°	_	8°	
0 1	5°	_	15°	
₩2	0°	_	_	
NOTES	11-			
REF	11-			
ISSUE				

S Y M B O L	TOLERANCES OF FORM AND POSITION	N 0 T E
aaa	0.10	
bbb	0.20	
ССС	0.10	
ddd	0.25	
eee	0.10	
fff	0.15	
NOTES	1,2	
REF	11-719S	·
ISSUE	E	

VARIATION TABLES

STANDARD

VARIATION ► SYMBOL ▼		AA AB AC		NOTE				
	MIN							
A	NOM							
	MAX		1.75					
	MIN		0.10					
A1	NOM							
	MAX	0.25						
D	BSC	4.90	8.65	9.90	3,4			
	N		14	16	6			
N	NOTES		1,2		1,2			
	REF		11-719S		11-719S			
10	SSUE	Е		E		Е		

THER	MAL				
	<u>VARIATION</u> ►		BB	ВС	NOTE
SYM	30L ▼				
	MIN			-	
Α	NOM			-	
	MAX		1.70		
	MIN		0.00		
A1	NOM				10
	MAX		0.15		
D	D BSC		8.65	9.90	3,4
	MIN		1.50		
D1	NOM				11
	MAX				
	MIN		1.00		
E2	E2 NOM				
	MAX				
	N	8	14	16	6
N	OTES		1,2		
	REF	1	1-719	S	

ISSUE

JEDEC	TITLE	ISSUE	DATE		SHEET
SOLID STATE PRODUCT OUTLINES	PLASTIC SMALL OUTLINE FAMILY 1.27 mm PITCH, 3.90 mm BODY WIDTH	F	August 2008	MS-012	3 OF 5

NOTES:

- 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.
- 2. DIMENSIONS IN MILLIMETERS (ANGLES IN DEGREES)



DIMENSION D DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS. MOLD FLASH, PROTRUSIONS OR GATE BURRS SHALL NOT EXCEED 0.15 mm PER END. DIMENSION E1 DOES NOT INCLUDE INTERLEAD FLASH OR PROTRUSION. INTERLEAD FLASH OR PROTRUSION SHALL NOT EXCEED 0.25 mm PER SIDE. D AND E1 DIMENSIONS ARE DETERMINED AT DATUM H



THE PACKAGE TOP MAY BE SMALLER THAN THE PACKAGE BOTTOM. DIMENSIONS D AND E1 ARE DETERMINED AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY EXCLUSIVE OF MOLD FLASH, TIE BAR BURRS, GATE BURRS AND INTERLEAD FLASH, BUT INCLUDING ANY MISMATCH BETWEEN THE TOP AND BOTTOM OF THE PLASTIC BODY.



DATUMS A & B TO BE DETERMINED AT DATUM H.

6 "N" IS THE MAXIMUM NUMBER OF TERMINAL POSITIONS FOR THE SPECIFIED PACKAGE LENGTH.



THE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 0.10 TO 0.25 mm FROM THE LEAD TIP.



DIMENSION 'b' DOES NOT INCLUDE THE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.10 mm TOTAL IN EXCESS OF THE "b" DIMENSION AT MAXIMUM MATERIAL CONDITION. THE DAMBAR MAY NOT BE LOCATED ON THE LOWER RADIUS OF THE FOOT.



THIS CHAMFER FEATURE IS OPTIONAL. IF IT IS NOT PRESENT, THEN A PIN 1 IDENTIFIER MUST BE LOCATED WITHIN THE INDEX AREA INDICATED



'A1' IS DEFINED AS THE VERTICAL DISTANCE FROM THE SEATING PLANE TO THE LOWEST POINT ON THE PACKAGE BODY EXCLUDING THE LID AND OR THERMAL ENHANCEMENT ON CAVITY DOWN PACKAGE CONFIGURATIONS.



'D1' AND 'E2' MINIMUM DIMENSIONS OF THERMALLY ENHANCED TYPES ARE VARIABLES DEPENDING ON DEVICE FUNCTION (DIE PADDLE SIZE). 'D1' AND 'E2' MAXIMUM DIMENSIONS CAN BE EQUAL TO 'D' AND 'E1' MAXIMUM DIMENSIONS. END USER SHOULD VERIFY ACTUAL SIZE OF EXPOSED THERMAL PAD FOR SPECIFIC DEVICE APPLICATION.

JEDEC				
SOLID STATE				
PRODUCT	OUTLINES			

TITLE

Change Record

If the change involves any words added or deleted (excluding deletion of accidentally repeated words), the change is included. Punctuation changes may not be included.

Initial Issue:	Date:	Item:

Revisi	sion History

Issue: E	Date: September 2005	Item: 11.11-719S		
Location	Changed from:	Changed to:		
Page 1, Bottom view	Top View, Side View	Add Bottom View to show Exposed Thermal pad Zone		
Page 3, Variation Tables	3—Non Thermal Options AA to AC	Add 3— Thermal Options BA to BC		

Issue: F	Date: August 2008	Item: 11-801S		
Location	Changed from:	Changed to:		
Page 3, Common Dimensions	c and c1 Min: 0.17	0.10		

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