





<p>JEDEC SOLID STATE PRODUCT OUTLINES</p>	<p>TITLE THIN SMALL OUTLINE PACK- AGE 12.70MM BODY FAMILY R-PDSO-G/TSOP II</p>	<p>ISSUE C</p>	<p>DATE NOV 93</p>	<p>MO-135 OF <sup>2</sup> 4</p>
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**NOTES**

- 1 DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1982.
- 2 DATUM PLANE **-H-** COINCIDENT WITH BOTTOM OF LEAD, WHERE LEAD EXITS BODY.
- 3 TO BE DETERMINED AT SEATING PLANE **-C-**.
- 4 DATUMS **-A-** AND **-B-** TO BE DETERMINED AT DATUM **-H-**.
- 5 ALL DIMENSIONS IN MILLIMETERS.
- 6 DIMENSION D DOES NOT INCLUDE MOLD PROTRUSIONS OR GATE BURRS. MOLD PROTRUSIONS AND GATE BURRS SHALL NOT EXCEED 0.15 MM PER SIDE. DIMENSION E1 DOES NOT INCLUDE INTERLEAD MOLD PROTRUSIONS. INTERLEAD MOLD PROTRUSIONS SHALL NOT EXCEED 0.25 MM PER SIDE.
- 7 TO BE DETERMINED AT PLANE **-H-**.
- 8 DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION/INTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL NOT CAUSE THE LEAD TO BE WIDER THAN THE MAXIMUM b DIMENSION BY MORE THAN 0.13 MM. DAMBAR INTRUSION SHALL NOT CAUSE THE LEAD TO BE NARROWER THAN THE MINIMUM b DIMENSION BY MORE THAN 0.07 MM.
- 9 DETAILS OF PIN 1 IDENTIFIER ARE OPTIONAL BUT MUST BE LOCATED WITHIN THE ZONE INDICATED.
- 10 EXACT DESIGN OF THIS FEATURE IS OPTIONAL.
- 11 N IS THE NUMBER OF LEADS.
- 12 THESE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 0.10 mm AND 0.25 mm FROM THE LEAD TIP.

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VARIATIONS																
SYMBOL	ALL DIMENSIONS IN MILLIMETERS															
	AA			NOTE	AB			NOTE	AC			NOTE	AD			NOTE
	MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX	
A			1.20				1.20				1.20				1.20	
A1	0.05		0.15		0.05		0.15		0.05		0.15		0.05		0.15	
A2	0.95	1.00	1.05		0.95	1.00	1.05		0.95	1.00	1.05		0.95	1.00	1.05	
b	0.30		0.52	8	0.30		0.52	8	0.30		0.52	8	0.30		0.52	
b1	0.30	0.40	0.45	12	0.30	0.40	0.45	12	0.30	0.40	0.45	12	0.30	0.40	0.45	
c	0.12		0.21	12	0.12		0.21	12	0.12		0.21	12	0.12		0.21	
c1	0.12	0.15	0.16	12	0.12	0.15	0.16	12	0.12	0.15	0.16	12	0.12	0.15	0.16	
D	20.87	21.00	21.13	6	22.12	22.25	22.38	6	23.36	23.49	23.62	6	25.90	26.03	26.16	
E	14.10	14.30	14.50	3	14.10	14.30	14.50	3	14.10	14.30	14.50	3	14.10	14.30	14.50	
E1	12.57	12.70	12.83	6	12.57	12.70	12.83	6	12.57	12.70	12.83	6	12.57	12.70	12.83	
L	0.40	0.50	0.60		0.40	0.50	0.60		0.40	0.50	0.60		0.40	0.50	0.60	
L1	0.25 BASIC				0.25 BASIC				0.25 BASIC				0.25 BASIC			
e	1.27 BASIC				1.27 BASIC				1.27 BASIC				1.27 BASIC			
N	32			11	34			11	36			11	40			
aaa	0.20				0.20				0.20				0.20			
NOTE	1.5				1.5				1.5				1.5			
REF.	11.11-307				11.11-307				11.11-358				11.11-358			
ISSUE	A				A											

VARIATIONS																
SYMBOL	ALL DIMENSIONS IN MILLIMETERS															
	BA			NOTE	BB			NOTE	BC			NOTE	CA			NOTE
	MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX	
A			1.20				1.20				1.20				1.20	
A1	0.05		0.15		0.05		0.15		0.05		0.15		0.05		0.15	
A2	0.95	1.00	1.05		0.95	1.00	1.05		0.95	1.00	1.05		0.95	1.00	1.05	
b	0.30		0.45	8	0.30		0.45	8	0.30		0.45	8	0.22		0.38	
b1	0.30	0.35	0.40	12	0.30	0.35	0.40	12	0.30	0.35	0.40	12	0.22	0.30	0.33	
c	0.12		0.21	12	0.12		0.21	12	0.12		0.21	12	0.12		0.21	
c1	0.12	0.15	0.16	12	0.12	0.15	0.16	12	0.12	0.15	0.16	12	0.12	0.15	0.16	
D	20.87	21.00	21.13	6	22.12	22.25	22.38	6	28.47	28.57	28.67	6	20.87	21.00	21.13	
E	14.10	14.30	14.50	3	14.10	14.30	14.50	3	14.10	14.30	14.50	3	14.10	14.30	14.50	
E1	12.57	12.70	12.83	6	12.57	12.70	12.83	6	12.57	12.70	12.83	6	12.57	12.70	12.83	
L	0.40	0.50	0.60		0.40	0.50	0.60		0.40	0.50	0.60		0.40	0.50	0.60	
L1	0.25 BASIC				0.25 BASIC				0.25 BASIC				0.25 BASIC			
e	0.80 BASIC				0.80 BASIC				0.80 BASIC				0.65 BASIC			
N	50			11	54			11	70			11	62			
aaa	0.20				0.20				0.20				0.12			
NOTE	1.5				1.5				1.5				1.5			
REF.	11.11-307				11.11-307				11.11-358				11.11-307			
ISSUE	A				A								A			

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