

JEDEC
SOLID STATE PRODUCT
OUTLINES

THIS REGISTERED OUTLINE HAS BEEN PREPARED BY THE JEDEC JC-11 COMMITTEE AND REFLECTS A PRODUCT WITH ANTICIPATED USAGE IN THE ELECTRONICS INDUSTRY; CHANGES ARE LIKELY TO OCCUR.

TITLE

TWO LEAD SURFACE MOUNT
POWER PACKAGE

JESD-30 DESIGNATOR

PDFP

ISSUE

A

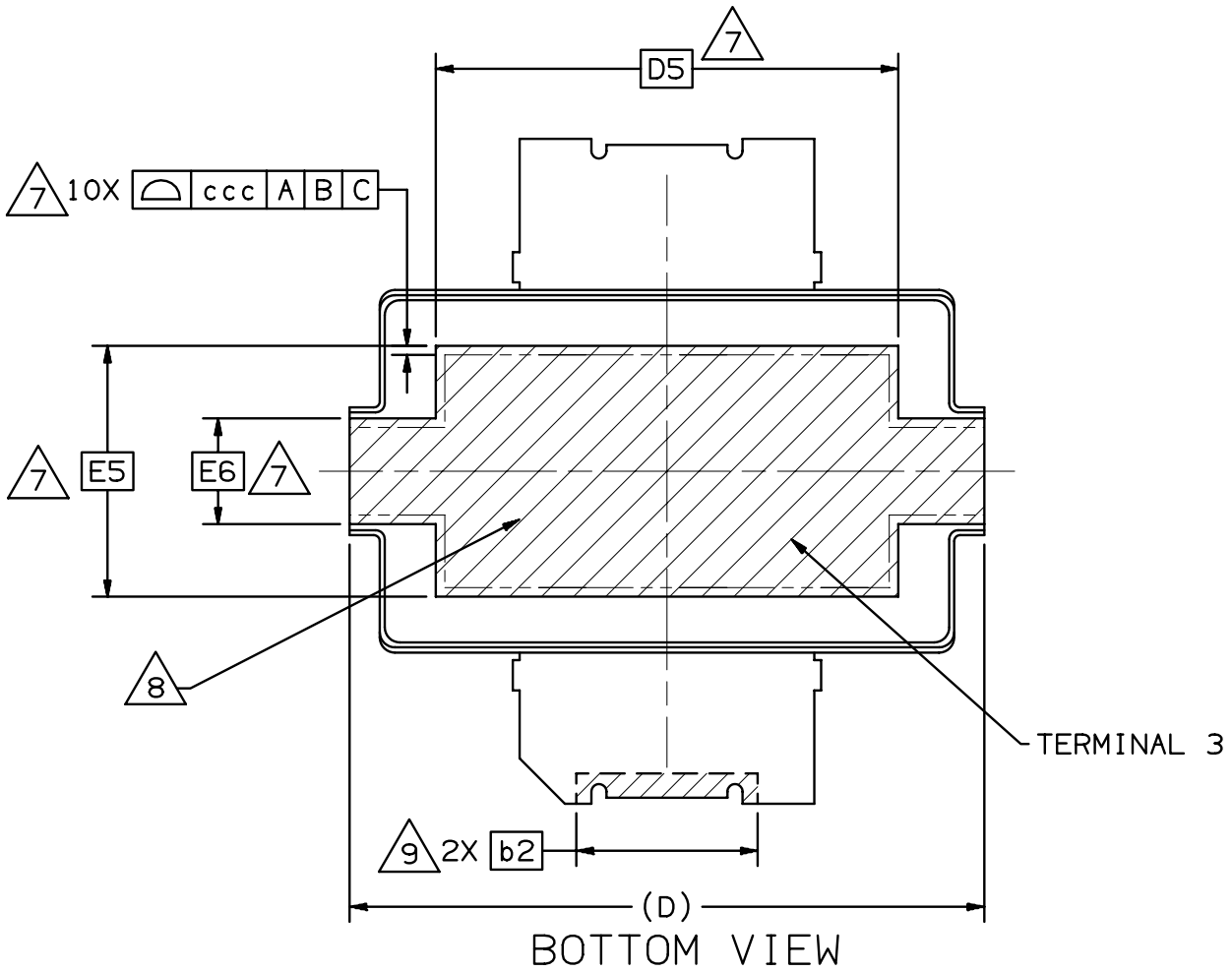
DATE

OCT
99

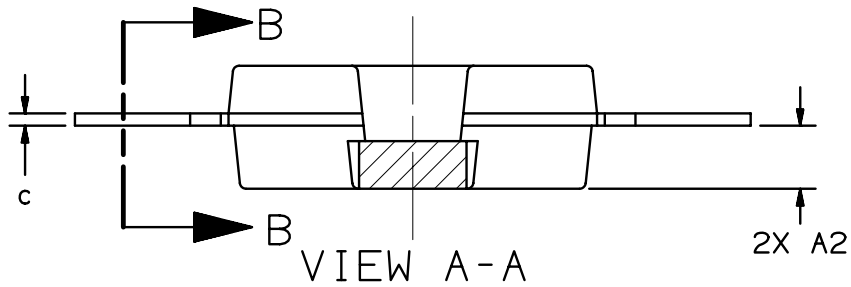
TO-270

SHEET

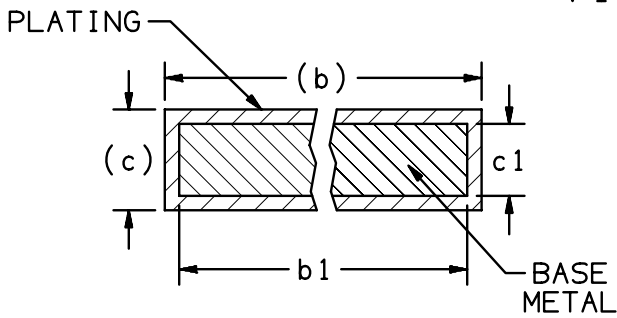
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BOTTOM VIEW



VIEW A-A



SECTION B-B

TOLERANCES OF FORM AND POSITION	
aaa	0.20
bbb	0.12
ccc	0.20
ddd	0.15
eee	0.05

VARIATION AA

SYMBOL	DIMENSIONS IN MILLIMETERS				SYMBOL	DIMENSIONS IN MILLIMETERS			
	MINIMUM	NOMINAL	MAXIMUM	NOTE		MINIMUM	NOMINAL	MAXIMUM	NOTE
A	--	--	2.13		D3	--	3.96 BSC	--	
A1	0.75	0.79	0.83		D4	--	--	0.42	
A2	0.96	1.04	1.12		D5	--	7.77BSC	--	7
A3	--	--	0.44	4	E	11.08	11.18	11.28	
b	4.88		5.14	5	E1	--	6.10BSC	--	3
b1	4.88	4.98	5.08	9	E2	--	--	1.19	4
b2		3.00 BSC.			E3	2.05	2.15	2.25	4
c	0.15		0.34		E4	--	1.96BSC	--	
c1	0.15	0.20	0.28		E5	--	4.22BSC	--	7
D	10.57	10.67	10.77		E6	--	1.78BSC	--	7
D1	--	9.65 BSC	--	3	k	0.66	0.76	0.86	
D2	--	--	5.74	4	Q	--	--	1.50	6
NOTE	1,2								
REF.	10-386								
ISSUE	A								

NOTES

1. DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994.
2. ALL DIMENSIONS IN MILLIMETERS.
3. D1 AND E1 ARE DETERMINED AT THE PLANE WHERE THE TOP OF THE LEADS EXIT THE PACKAGE. D1, E1, AND E3 DO NOT INCLUDE MOLD PROTRUSION. MOLD PROTRUSION SHALL NOT EXCEED 0.15mm PER SIDE.
4. D2, E2, AND A3 DEFINE OPTIONAL FEATURES.
5. THE b DIMENSION DOES NOT INCLUDE DAM BAR PROTRUSION. PROTRUSION(S) SHALL NOT CAUSE THE LEAD WIDTH TO EXCEED 5.35mm.
6. HOLES THROUGH TO THE TOP OF THE HEAT SLUG ARE OPTIONAL IN THIS ZONE DEFINED BY DIMENSION Q MAX.
7. ONE WAY PROFILE TOLERANCE DEFINES THE MINIMUM EXPOSED AREA OF THE HEAT SLUG. THE PROFILE APPLIES TO ALL EDGES EXCEPT THE TWO CONTROLLED BY DIMENSION D. THE MAXIMUM EXPOSED AREA OF THE HEAT SLUG MAY EXTEND TO THE PACKAGE EDGE.
8. CROSSHATCHING REPRESENTS THE EXPOSED AREA OF THE HEAT SLUG.
9. LEAD EDGE MAY BE UNDERCUT BY UP TO 0.5mm IN THIS ZONE.

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