

JEDEC
SOLID STATE
PRODUCT OUTLINE

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
CERAMIC DUAL-IN-LINE
(DIP) FAMILY, .300" ROW SPACING

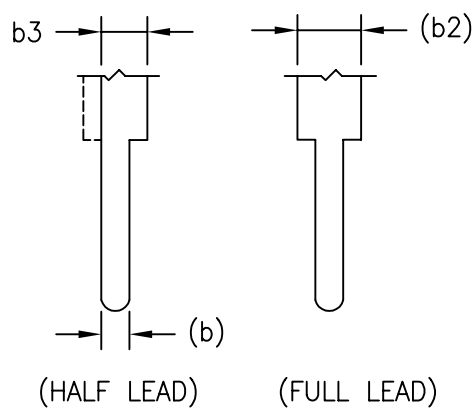
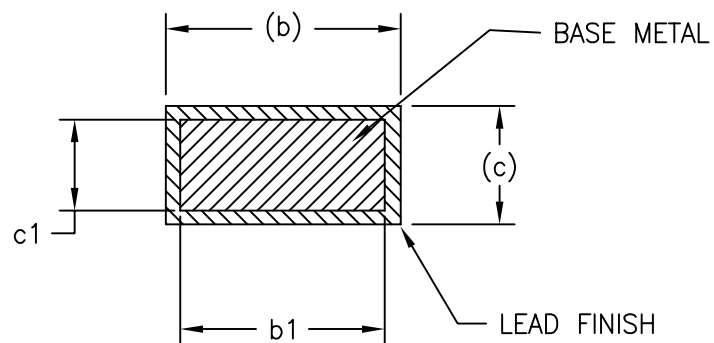
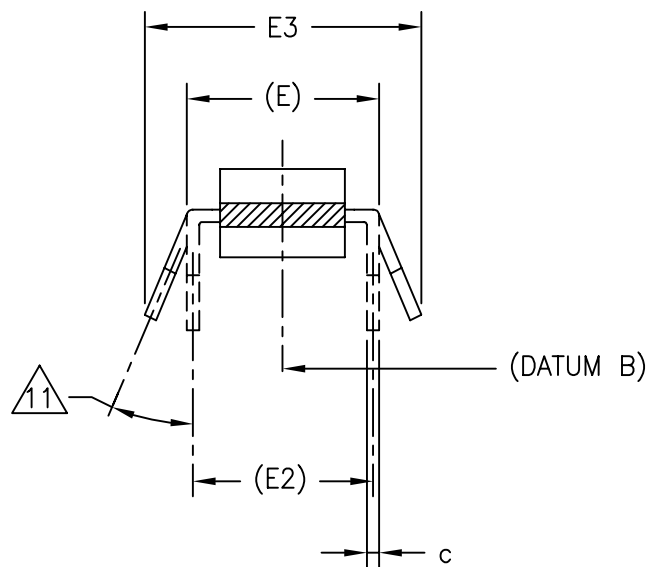
PACKAGE DESIGNATOR
R-GDIP-T

ISSUE
B

DATE
11/99

MO-036

SHEET
1 OF 5



DETAIL A

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE CERAMIC DUAL-IN-LINE (DIP) FAMILY, .300" ROW SPACING	ISSUE B	DATE 11/99	MO-036	SHEET 2 OF 5
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S Y M B O L	VARIATIONS (ALL DIMENSIONS ARE IN INCHES)									N O T E S
	AA			AB			AC			
	MIN.	NOM.	MAX.							
A	--	---	.200							9
A1	.015	--	--							9
A2	.140	--	.175							
b	.015	--	.023							6
b1	.015	.018	.021							6
b2	.045	--	.065							
b3	.023	--	.045							8
c	.008	--	.014							6
c1	.008	.010	.012							6
D	.372	.380	.388							7
E	.308	--	.314							
E1	.280	.288	.296							7
E2	.300 REF									
E3	.314	--	.410							10
e	.100 BSC									
L	.125	--	.200							9
N	8			14			14			4
TOLERANCES OF FORM AND POSITION										
aaa	.010			SUPERSEDED			SUPERSEDED			
				BY MS-030			BY MS-030			
NOTES	1, 2, 8			VARIATION AB			VARIATION AB			
REF.	11.10-388			11.10-384			11.10-384			
ISSUE	B									

S Y M B O L	VARIATIONS (ALL DIMENSIONS ARE IN INCHES)									N O T E S
	AD			AE						
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.				
A										9
A1										9
A2										
b										6
b1										6
b2										
b3										8
c										6
c1										6
D										7
E										
E1										7
E2										
E3										10
e										
L										9
N	16			18						4
TOLERANCES OF FORM AND POSITION										
aaa	SUPERSEDED			SUPERSEDED						
	BY MS-030			BY MS-030						
NOTES	VARIATION AC			VARIATION AD						
REF.	11.10-384			11.10-384						
ISSUE										

NOTES:

1. DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994.
2. ALL DIMENSIONS ARE IN INCHES.
3. A STEPPED EDGE RELIEF IS REQUIRED ALONG ALL BODY EDGES AND CORNERS.
4. N IS THE MAXIMUM NUMBER OF LEADS.
5. A LEAD #1 IDENTIFIER SHALL BE LOCATED WITHIN THE INDICATED ZONE. DETAILS OF THE LEAD #1 IDENTIFIER ARE OPTIONAL.
6. MEASUREMENTS TO BE TAKEN AT A MINIMUM OF .060 INCHES FROM THE LEAD TIP.
7. DIMENSIONS D AND E1 INCLUDE ALLOWANCE FOR GLASS OVERRUN AND MENISCUS, AND LID TO BASE MISMATCH.
8. HALF LEADS ARE REQUIRED ON END LEADS ONLY. THE MISSING HALF OF THE LEAD IS THE PORTION THAT FACES THE OUTSIDE OF THE PACKAGE AS NOTED IN THE VARIATION TABLES.
9. DIMENSIONS A, A1, AND L ARE MEASURED WITH THE PACKAGE SEATED IN JEDEC SEATING PLANE GAUGE GS-003.
10. E3 IS TO BE MEASURED AT THE LEAD TIPS.
11. DIMENSIONS E AND E3 MUST ALWAYS PROVIDE FOR A UNIFORM LEAD ANGLE AS SHOWN.
12. THIS DIMENSION APPLIES ONLY TO VARIATIONS WITH AN EVEN NUMBER OF LEADS PER SIDE. THIS VALUE IS ZERO FOR VARIATIONS WITH AN ODD NUMBER OF LEADS PER SIDE.

APPLICATION NOTE:

1. POINTED OR ROUNDED TERMINAL TIPS ARE PREFERRED TO EASE INSERTION.

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