

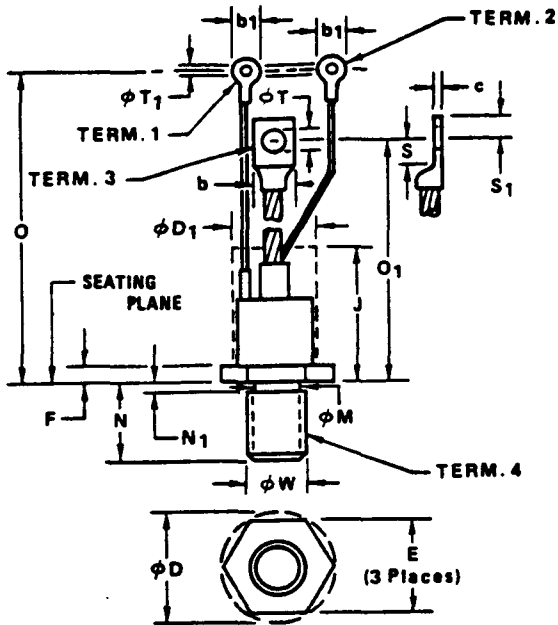
NOTES:

1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y14.5-1966.
3. Device contour except on noted dimensions is optional within zone defined by ϕD_1 and J. ϕD_1 not to exceed actual E.
4. A chamfer (or undercut) on one or both ends of the hexagonal portion is optional.
5. Seated height with lead bent at right angles.
6. Flexible leads for terminals 1 & 2 are identified by color coding for specific applications.
7. Position of leads in relation to hexagon is not controlled.
8. Angular orientation of terminal(s) is optional.
9. Terminal 2 omitted.
10. Minimum flat.
11. Coated threads shall meet the requirements of ANSI B1.1-1960.
12. Controlling dimensions: inch.
13. Millimeter dimensions are taken the same number of places beyond the decimal point as the corresponding inch dimensions. Maximum conversion error is no more than .02 times the smallest unit value of corresponding inch dimensions.

VARIATIONS (ALL DIMENSIONS SHOWN IN MILLIMETERS)

SYMBOL	AA		NOTE	AB		NOTE	AC		NOTE	AD		NOTE	
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		
	b	11.100		16.510	8		13.462	19.177		8	11.100		16.510
b1	5.461	7.620	7,8	5.461	7.620	7,8	5.461	7.620	7,8	5.538	8.331	7,8	
c	1.397	2.794		-	-		-	-		-	-		
ϕD	-	31.165		-	36.652		-	31.165		-	49.504		
ϕD_1	-	26.187	3	-	30.784	3	-	26.187	3	-	41.427	3	
E	26.188	27.000		30.785	31.750		26.188	27.000		41.428	42.875		
F	4.318	12.700	4	5.842	25.400	4	4.318	12.700	4	6.350	12.700	4	
J	-	63.500	3,5	-	92.075	3,5	-	63.500	3,5	-	101.600	3,5	
ϕM	11.735	12.674		17.857	19.024		11.735	12.674		23.826	25.349		
N	20.244	21.005		26.594	27.355		20.244	21.005		34.925	38.989		
N1	-	3.175		-	3.962		-	3.175		-	5.334		
O	173.990	190.500		186.690	205.740		173.990	190.500		244.856	257.556		
O1	146.685	159.131		186.690	205.740		146.685	159.131		238.760	248.412		
S	6.350	-	10	8.636	-	10	6.350	-	10	9.525	-	10	
S1	-	8.255		-	-		-	-		-	-		
ϕT	6.350	7.874		6.604	8.890		6.604	7.874		8.128	11.379		
ϕT_1	3.556	3.810		3.556	3.937		3.556	3.810		3.556	4.368		
ϕW	1/2-20 UNF-2A			3/4-16 UNF-2A			1/2-20 UNF-2A			1-12 UNF-2A		11	
NOTE	1, 2, 6, 9, 12, 13			1, 2, 6, 12, 13			1, 2, 6, 12, 13			1, 2, 6, 12, 13			
REF.	T0-49			T0-93			T0-94			T0-108			
ISSUE	A June 1974			A June 1974			A June 1974			A June 1974			
JEDEC SOLID STATE PRODUCT OUTLINES				TITLE STUD HEX BASE FAMILY (Flexible Leads)			ISSUE A		DATE June 1974		TO-209AA-AD		

NOTES :

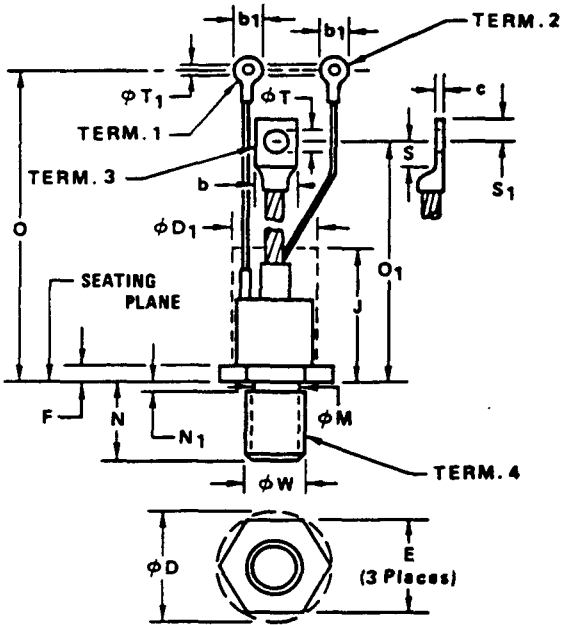


1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y14.5-1966.
3. Device contour except on noted dimensions is optional within zone defined by ϕD_1 and J . ϕD_1 not to exceed actual E .
4. A chamfer (or undercut) on one or both ends of the hexagonal portion is optional.
5. Seated height with lead bent at right angles.
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7. Position of leads in relation to hexagon is not controlled.
8. Angular orientation of terminal(s) is optional.
9. Terminal 2 omitted.
10. Minimum flat.
11. Coated threads shall meet the requirements of ANSI B1.7-1960.
12. Controlling dimensions: inch.

VARIATIONS (ALL DIMENSIONS SHOWN IN INCHES)

SYMBOL	AA		NOTE	AB		NOTE	AC		NOTE	AD		NOTE	
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		
	b	.437		.650	8		.530	.755		8	.437		.650
b ₁	.215	.300	7,8	.215	.300	7,8	.215	.300	7,8	.218	.328	7,8	
c	.055	.110		-	1.443		-	1.227		-	1.949		
ϕD	-	1.227		-	1.212		-	1.031		-	1.631		
ϕD_1	1.031	1.063	3	1.212	1.250	3	1.031	1.063	3	1.631	1.688	3	
E	-	-		-	-		-	-		-	-		
F	.170	.500	4	.230	1.000	4	.170	.500	4	.250	.500	4	
J	-	2.500	3,5	-	3.625	3,5	-	2.500	3,5	-	4.000	3,5	
ϕM	.462	.499		.703	.749		.462	.499		.938	.998		
N	.797	.827		1.047	1.077		.797	.827		1.375	1.535		
N ₁	-	.125		-	.156		-	.125		-	.210		
O	6.850	7.500		7.350	8.100		6.850	7.500		9.640	10.140		
O ₁	5.775	6.265		7.350	8.100		5.775	6.265		9.400	9.780		
S	.250	-	10	.340	-	10	.250	-	10	.375	-	10	
S ₁	-	.325		-	.350		-	.310		-	.448		
ϕT	.250	.310		.260	.350		.260	.310		.320	.448		
ϕT_1	.140	.150		.140	.155		.140	.150		.140	.172		
ϕW	1/2-20 UNF-2A		11	3/4-16UNF-2A		11	1/2-20 UNF-2A		11	1-12 UNF-2A		11	
NOTE	1, 2, 6, 9, 12			1, 2, 6, 12			1, 2, 6, 12			1, 2, 6, 12			
REF.	TO-49			TO-93			TO-94			TO-108			
ISSUE	A June 1974			A June 1974			A June 1974			A June 1974			
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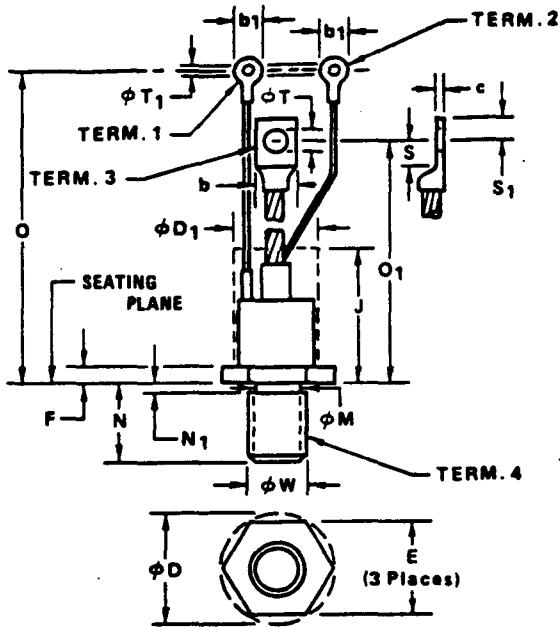
NOTES :



1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y14.5-1966.
3. Device contour except on noted dimensions is optional within zone defined by $\emptyset D_1$ and J. $\emptyset D_1$ not to exceed actual E.
4. A chamfer (or undercut) on one or both ends of the hexagonal portion is optional.
5. Seated height with lead bent at right angles.
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12. Controlling dimensions: inch.
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VARIATIONS (ALL DIMENSIONS SHOWN IN MILLIMETERS)

SYMBOL	AE		NOTE			NOTE			NOTE			NOTE	
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.					
b	18.669	25.400	8										
b ₁	6.604	8.331	7,8										
c	-	-											
ϕD	-	49.504											
ϕD_1	-	41.427	3										
E	41.428	42.875											
F	6.350	12.700	4										
J	-	101.600	3,5										
ϕM	17.857	19.024											
N	26.188	27.813											
N ₁	-	3.962											
O	244.856	257.556											
O ₁	238.760	248.412											
S	9.525	-	10										
S ₁	-	-											
ϕT	8.128	11.379											
ϕT_1	3.556	4.368											
ϕW	3/4-16 UNF-2A		11										
NOTE	1, 2, 6, 12, 13												
REF.	TD-118												
ISSUE	A June 1974												
JEDEC SOLID STATE PRODUCT OUTLINES			TITLE STUD HEX BASE FAMILY (Flexible Leads)				ISSUE A		DATE June 1974		TO-209AE		



NOTES :

1. Refer to applicable symbol list.
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3. Device contour except on noted dimensions is optional within zone defined by ϕD_1 and J. ϕD_1 not to exceed actual E.
4. A chamfer (or undercut) on one or both ends of the hexagonal portion is optional.
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10. Minimum flat.
11. Coated threads shall meet the requirements of ANSI B1.1-1960.
12. Controlling dimensions: inch.

VARIATIONS (ALL DIMENSIONS SHOWN IN INCHES)

SYMBOL	AE		NOTE			NOTE			NOTE			SYM-T-O-Z	
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		
b	.735	1.000	8										
b ₁	.260	.328	7,8										
c	-	-											
ϕD	-	1.949											
ϕD_1	-	1.631	3										
E	1.631	1.688											
F	.250	.500	4										
J	-	4.000	3,5										
ϕM	.703	.749											
N	1.031	1.095											
N ₁	-	.156											
O	9.640	10.140											
O ₁	9.400	9.780											
S	.375	-	10										
S ₁	-	-											
ϕT	.320	.448											
ϕT_1	.140	.172											
ϕW	3/4-16 UNF-2A		11										
NOTE	1, 2, 6, 12												
REF.	TO-118												
ISSUE	A June 1974												
JEDEC SOLID STATE PRODUCT OUTLINES				TITLE STUD HEX BASE FAMILY (Flexible Leads)			ISSUE A		DATE June 1974		TO-209AE		