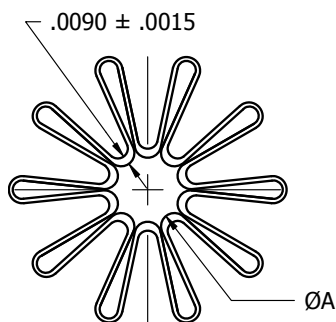


FIGURE 1 – CONFIGURATION A

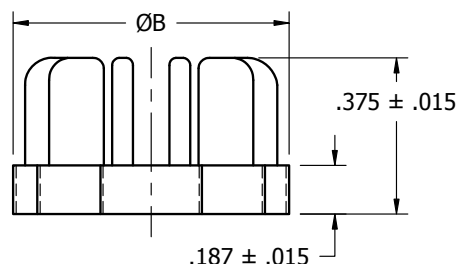
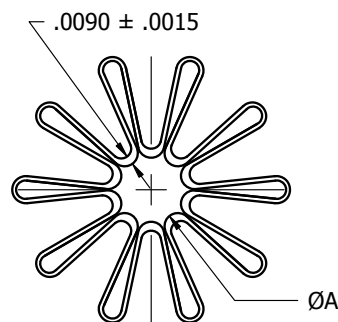


FIGURE 2 – CONFIGURATION B

TABLE I – DIMENSIONS FOR CONFIGURATIONS A & B

DASH NUMBER /a/	JEDEC CASE SIZE	CONFIGURATION	DIMENSIONS		MATERIAL
			ØA	ØB	
E01*	TO-18	A	.150 ± .010	.640 ± .040	BERYLLIUM COPPER
E02*	TO-18	A	.150 ± .010	.490 ± .040	
E03*	TO-5	A	.255 ± .010	.550 ± .040	
E04*	TO-5	A	.255 ± .010	.720 ± .040	
E05*	TO-18	B	.150 ± .010	.640 ± .040	
E06*	TO-18	B	.165 ± .010	.510 ± .040	
E07*	TO-5	B	.255 ± .010	.720 ± .040	
E08*	TO-5	B	.280 ± .010	.580 ± .040	
E09*	TO-8	B	.420 ± .010	.830 ± .040	

/a/ THE FIRST DIGIT IS A MATERIAL CODE. THE ASTERISK (*) REPRESENTS A FINISH CODE.

① COMPLETELY REVISED

THIRD
ANGLE
PROJECTION

PROCUREMENT
SPECIFICATION

NONE

CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE

**HEAT SINK, ELECTRONIC COMPONENT,
SEMICONDUCTOR DEVICES, PRESS-ON TYPE**

①

REVISION

1

CLASSIFICATION
PART STANDARD

NAS4119
SHEET 1 OF 9



Documents
Document Sharing Hub

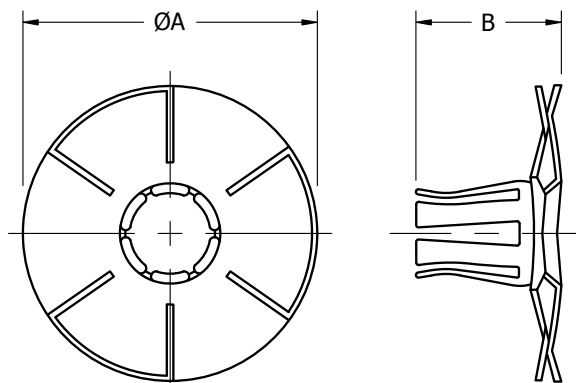


FIGURE 2 – CONFIGURATION C

TABLE II – DIMENSIONS FOR CONFIGURATION C

DASH NUMBER /b/	JEDEC CASE SIZE	CONFIGURATION	DIMENSIONS		MATERIAL
			ØA	B	
E10*	TO-18	C	.500 ± .016	.250 ± .016	BERYLLIUM COPPER
E11*	TO-5	C	.750 ± .016	.250 ± .016	
E12*	TO-5	C	1.250 ± .016	.360 ± .015	
E13*	TO-8	C	1.250 ± .016	.330 ± .015	

/b/ THE FIRST DIGIT IS A MATERIAL CODE. THE ASTERISK (*) REPRESENTS A FINISH CODE.

CHAMFER 45° X .010
BOTH SIDES

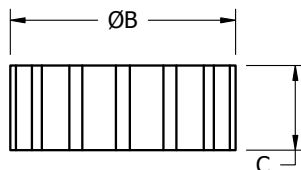
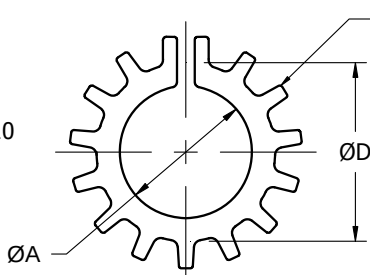


FIGURE 3 – CONFIGURATION D

TABLE III – DIMENSIONS FOR CONFIGURATION D

DASH NUMBER /c/	JEDEC CASE SIZE	CONFIGURATION	DIMENSIONS				MATERIAL
			ØA +.002 -.005	ØB ±.015	C ±.015	ØD ±.015	
A14*	TO-9	D	.294	.500	.250	.396	ALUMINUM ALLOY
A15*	TO-9	D	.271	.500	.250	.396	
A16*	TO-5	D	.318	.500	.250	.396	
A17*	Ø.255	D	.245	.500	.250	.396	
A18*	TO-5	D	.314	.500	.250	.396	
A19*	TO-18	D	.177	.500	.250	.396	
A20*	TO-5	D	.281	.500	.250	.396	
A21*	TO-9	D	.228	.500	.250	.396	
A22*	Ø.203	D	.193	.500	.250	.396	
A23*	TO-58	D	.215	.625	.250	.440	
A24*	TO-42	D	.307	.625	.225	.440	
A25*	TO-42	D	.318	.625	.225	.440	
A26*	TO-18	D	.177	.625	.225	.440	
A27*	TO-5, TO-11	D	.330	.625	.375	.440	
A28*	TO-7	D	.353	.625	.375	.440	
A29*	Ø.380	D	.370	.625	.375	.440	
A30*	Ø.407	D	.397	.625	.375	.440	
A31*	TO-5, TO-11	D	.335	.625	.375	.440	
A32*	TO-5, TO-11	D	.322	.625	.375	.440	
A33*	TO-5, TO-11	D	.318	.625	.375	.440	
A34*	TO-9	D	.294	.500	.375	.396	
A35*	TO-9	D	.271	.500	.375	.396	
A36*	TO-5, TO-11	D	.318	.500	.375	.396	
A37*	Ø.255	D	.245	.500	.375	.396	
A38*	TO-5, TO-11	D	.314	.500	.187	.396	

/c/ THE FIRST DIGIT IS A MATERIAL CODE. THE ASTERISK (*) REPRESENTS A FINISH CODE.

① COMPLETELY REVISED

REVISION

1

NAS4119

SHEET 3



Document Sharing Hub