

HEEGER Aluminum Enclosures

Fig. 1

Aluminum Boxes:

- .040" (1.02mm) Plain aluminum
- Screw fastening, punched and tapped

Fig. 2

Snap Together Aluminum Boxes:

- .040" (1.02mm) Plain aluminum
- An ideal box for construction where screws cannot be used and where access to the box must be quick and often. The catches hold the box together tightly

Crown Royal Series Chassis:

- Versatile and rugged construction
- Constructed of .050" (1.27mm) aluminum, Type 3003-H14
- Plain aluminum
- Screws included

Fig. 3

Fig. 4

Fig. 5

Aluminum Consoles:

- Plain aluminum
- The length of the Flat Top of the MDC Series is 1/2 the total depth

Fig. 3 and 4 - Uni-Cab Universal Cabinet System:

- Bases are .090 (2.29mm) aluminum. Covers are .063" (1.60mm) aluminum, Type 3003-H14 metal
- Pem nuts used throughout for longer life and ease of assembly and disassembly
- All parts are primed to protect the metal against the elements and to serve as a paint base. Bases are finished in textured blue, covers are finished in semi-gloss white
- The base is approximately 1/4" (6.35mm) larger than the cover dimensions

Fig. 6

Die Cast Enclosures:

- Easily machined units useful as instrument and meter cases
- Close-fitted flange lids fasten to bosses in the body with counter sunk screws
- Aluminum alloy (380) offers excellent screening properties.
- Lid adds .156" (3.96mm) to height of enclosure.

Fig. 7

LMB Perforated Box Chassis:

- LMB perforated boxes are adaptable wherever heat dissipation is required, as well as utmost shielding
- Plain aluminum

Fig. 8

UNI-PAC Universal Packaging System:

A quality cabinet, engineered for versatility and value, at an affordable price. The Uni-Pac is constructed with .063" (1.60mm) aluminum, with .125" (3.18mm) aluminum sides and four adhesive rubber feet. The top, bottom, and sides are finished in textured blue, the front and rear panels are finished in semi-gloss white.

- Inter-changeable front, back, top and bottom panels

Fig. 9

Cap Cover Chassis:

- Cap cover construction enables the builder to use either the top or the bottom of the chassis for construction
- Chassis can also be mounted on its side and construction can be on both top and bottom at the same time
- Built from Aircraft quality .040" (1.02mm) aluminum, Type 3003-H14
- Plain aluminum

Fig. 10

Drawn Miniature Box:

- Cold rolled steel, with mounting ears
- Made of steel only
- Covers are soldered-in when used in assembly
- Not fabricated (holes punched in the box)
- Plain steel

Dimensions - Inches (mm)		Digi-Key Part No.	Price Each		
D x W x H			1	10	100
Fig. 1 - Aluminum Boxes					
2.75 x 2.13 x 2.75 (69.85 x 53.98 x 69.85)	L100-ND	6.44	5.35	4.83	
3.50 x 2.13 x 1.63 (88.90 x 53.98 x 41.28)	L101-ND	6.12	5.08	4.59	
4.00 x 2.25 x 2.25 (101.60 x 57.15 x 57.15)	L102-ND	7.76	6.45	5.82	
5.00 x 2.25 x 2.25 (127.00 x 57.15 x 57.15)	L103-ND	8.32	6.91	6.24	
5.00 x 4.00 x 3.00 (127.00 x 101.60 x 76.20)	L104-ND	11.62	9.65	8.72	
6.00 x 5.00 x 4.00 (152.40 x 127.00 x 101.60)	L105-ND	16.24	13.48	12.18	
7.00 x 5.00 x 3.00 (177.80 x 127.00 x 76.20)	L106-ND	16.44	13.65	12.33	
8.00 x 6.00 x 3.50 (203.20 x 152.40 x 88.90)	L107-ND	20.00	16.60	15.00	
10.00 x 6.00 x 3.50 (254.00 x 152.40 x 88.90)	L108-ND	23.66	19.64	17.75	
12.00 x 7.00 x 4.00 (304.80 x 177.80 x 101.60)	L109-ND	32.86	27.28	24.65	
17.00 x 5.00 x 4.00 (431.80 x 127.00 x 101.60)	L110-ND	36.08	29.95	27.06	
Fig. 2 - Aluminum Boxes (Snap-Together)					
2.75 x 2.13 x 1.63 (69.85 x 53.98 x 41.28)	L111-ND	5.70	4.74	4.28	
2.75 x 2.13 x 2.75 (69.85 x 53.98 x 69.85)	L112-ND	6.44	5.35	4.83	
3.25 x 2.13 x 1.13 (82.55 x 53.98 x 28.58)	L113-ND	5.70	4.74	4.28	
4.00 x 2.13 x 1.63 (101.60 x 53.98 x 41.28)	L114-ND	6.44	5.35	4.83	
4.00 x 2.00 x 2.75 (101.60 x 50.80 x 69.85)	L115-ND	7.78	6.46	5.84	
5.00 x 2.25 x 2.25 (127.00 x 57.15 x 57.15)	L116-ND	8.32	6.91	6.24	
5.00 x 4.00 x 3.00 (127.00 x 101.60 x 76.20)	L117-ND	11.62	9.65	8.72	
6.00 x 5.00 x 4.00 (152.40 x 127.00 x 101.60)	L118-ND	16.24	13.48	12.18	
7.00 x 5.00 x 3.00 (177.80 x 127.00 x 76.20)	L119-ND	16.44	13.65	12.33	
8.00 x 6.00 x 3.50 (203.20 x 152.40 x 88.90)	L120-ND	20.00	16.60	15.00	
10.00 x 6.00 x 3.50 (254.00 x 152.40 x 88.90)	L121-ND	23.66	19.64	17.75	
Fig. 2 - Crown Royal Series Aluminum Boxes					
2.25 x 1.50 x 1.38 (57.15 x 38.10 x 35.05)	L198-ND	6.82	5.67	5.12	
5.50 x 3.00 x 1.25 (139.70 x 76.20 x 31.75)	L200-ND	12.82	10.65	9.62	
5.25 x 3.00 x 2.13 (133.35 x 76.20 x 53.98)	L201-ND	13.44	11.16	10.08	
6.25 x 3.50 x 2.13 (158.75 x 88.90 x 53.98)	L202-ND	16.90	14.03	12.68	
7.00 x 5.00 x 3.00 (177.80 x 127.00 x 76.20)	L203-ND	25.50	21.17	19.13	
8.00 x 6.00 x 4.50 (203.20 x 152.40 x 114.30)	L204-ND	34.40	28.56	25.80	
Fig. 3 - Aluminum Consoles					
4.00 x 3.00 x 2.00 (101.60 x 76.20 x 50.80)	L122-ND	10.58	8.79	7.94	
5.00 x 3.00 x 2.00 (127.00 x 76.20 x 50.80)	L123-ND	12.18	10.11	9.14	
6.00 x 4.00 x 2.25 (152.40 x 101.60 x 57.15)	L124-ND	14.56	12.09	10.92	
7.00 x 5.00 x 2.50 (177.80 x 127.00 x 63.50)	L125-ND	16.78	13.93	12.59	
8.00 x 6.00 x 2.75 (203.20 x 152.40 x 69.85)	L126-ND	22.06	18.31	16.55	
9.00 x 7.00 x 3.00 (228.60 x 177.80 x 76.20)	L127-ND	24.28	20.16	18.21	
11.00 x 8.00 x 3.50 (279.40 x 203.20 x 88.90)	L129-ND	36.32	30.15	27.24	
13.00 x 10.00 x 4.00 (330.20 x 254.00 x 101.60)	L130-ND	49.30	40.92	36.98	
15.00 x 15.00 x 4.50 (381.00 x 381.00 x 114.30)	L131-ND	80.38	66.72	60.29	
Fig. 3 - Uni-Cab Universal Cabinet System					
5.00 x 5.00 x 1.75 (127.00 x 127.00 x 44.45)	L155-ND	36.18	30.03	27.14	
6.00 x 6.00 x 2.75 (152.40 x 152.40 x 69.85)	L156-ND	42.06	34.91	31.55	
7.00 x 6.00 x 3.50 (177.80 x 152.40 x 88.90)	L157-ND	44.84	37.22	33.63	
5.00 x 7.00 x 3.00 (127.00 x 177.80 x 76.20)	L158-ND	41.56	34.50	31.17	
6.00 x 6.00 x 5.00 (152.40 x 152.40 x 127.00)	L159-ND	48.12	39.94	36.09	
10.00 x 10.00 x 3.00 (254.00 x 254.00 x 76.20)	L161-ND	66.38	55.10	49.79	
10.00 x 12.00 x 4.00 (254.00 x 304.80 x 101.60)	L162-ND	82.24	68.26	61.68	
Fig. 4 - Uni-Cab Universal Cabinet System					
6.00 x 4.00 x 2.00 (152.40 x 101.60 x 50.80)	L154-ND	32.38	26.88	24.29	
10.00 x 6.00 x 4.00 (254.00 x 152.40 x 101.60)	L160-ND	53.12	44.09	39.84	

Dimensions - Inches (mm)		Digi-Key Part No.	Price Each		
D x W x H			1	10	100
Fig. 5 - Small Cabinets - RoHS Compliant					
5.00 x 6.00 x 4.00 (127.00 x 152.40 x 101.60)	L147-ND	33.00	27.39	24.75	
6.00 x 8.00 x 5.00 (152.40 x 203.20 x 127.00)	L148-ND	48.44	40.21	36.33	
Fig. 6 - Die Cast Enclosures - RoHS Compliant					
3.63 x 1.50 x 1.06 (92.20 x 38.10 x 26.99)	L149-ND	10.00	8.30	7.50	
4.38 x 2.38 x 1.06 (111.13 x 60.33 x 26.99)	L150-ND	11.30	9.38	8.48	
4.69 x 3.69 x 2.06 (119.08 x 93.65 x 52.40)	L151-ND	18.04	14.98	13.53	
7.39 x 4.70 x 2.06 (187.73 x 119.46 x 52.40)	L152-ND	28.68	23.81	21.51	
7.39 x 4.70 x 3.06 (187.73 x 119.46 x 77.80)	L153-ND	30.92	25.67	23.19	
Fig. 7 - LMB Perforated Box Chassis					
4.25 x 2.25 x 1.25 (107.95 x 57.15 x 31.75)	L164-ND	9.54	7.92	7.16	
4.00 x 2.25 x 2.25 (101.60 x 57.15 x 57.15)	L167-ND	11.60	9.63	8.70	
3.75 x 3.00 x 2.13 (95.25 x 76.20 x 53.98)	L169-ND	13.22	10.98	9.92	
5.25 x 3.00 x 2.13 (133.35 x 76.20 x 53.98)	L170-ND	14.98	12.44	11.24	
6.00 x 3.00 x 2.75 (203.20 x 76.20 x 69.85)	L171-ND	21.94	18.21	16.46	
6.25 x 3.50 x 2.13 (158.75 x 88.90 x 53.98)	L172-ND	18.88	15.67	14.16	
5.50 x 3.00 x 1.25 (139.70 x 76.20 x 31.75)	L173-ND	14.48	12.02	10.86	
3.00 x 4.00 x 5.00 (76.20 x 101.60 x 127.00)	L174-ND	19.36	16.07	14.52	
6.00 x 4.00 x 3.00 (152.40 x 101.60 x 76.20)	L175-ND	22.52	18.70	16.89	
6.00 x 4.00 x 5.00 (152.40 x 101.60 x 127.00)	L176-ND	27.38	22.73	20.54	
4.00 x 4.00 x 2.00 (101.60 x 101.60 x 50.80)	L177-ND	14.66	12.17	11.00	
10.00 x 4.00 x 2.50 (254.00 x 101.60 x 63.50)	L178-ND	28.36	23.54	21.27	
7.00 x 5.00 x 3.00 (177.80 x 127.00 x 76.20)	L179-ND	28.14	23.36	21.11	
8.00 x 6.00 x 4.50 (203.20 x 152.40 x 114.30)	L180-ND	39.46	32.76	29.60	
Fig. 8 - UNI-PAC Universal Packaging System					
7.00 x 12.00 x 1.75 (177.80 x 304.80 x 44.45)	L181-ND	89.52	74.31	67.14	
9.00 x 12.00 x 3.50 (228.60 x 304.80 x 88.90)	L182-ND	109.86	91.19	82.40	
9.00 x 17.00 x 3.50 (228.60 x 431.80 x 88.90)	L183-ND	128.08	106.31	96.06	
12.00 x 17.00 x 3.50 (304.80 x 431.80 x 88.90)	L184-ND	149.68	124.24	112.26	
7.00 x 14.00 x 5.25 (177.80 x 355.60 x 133.35)	L185-ND	117.98	97.93	88.49	
9.00 x 17.00 x 5.25 (228.60 x 431.80 x 133.35)	L186-ND	142.58	118.35	106.94	
12.00 x 17.00 x 5.25 (304.80 x 431.80 x 133.35)	L187-ND	168.10	139.53	126.08	
14.00 x 17.00 x 7.00 (355.60 x 431.80 x 177.80)	L189-ND	205.34	170.44	154.01	
Fig. 9 - Cap Cover Chassis - RoHS Compliant					
5.00 x 7.00 x 2.00 (127.00 x 177.80 x 50.80)	L190-ND	24.00	19.92	18.00	
5.00 x 7.00 x 3.00 (127.00 x 177.80 x 76.20)	L191-ND	25.84	21.45	19.38	
6.00 x 4.00 x 3.00 (152.40 x 101.60 x 76.20)	L192-ND	23.12	19.19	17.34	
7.00 x 10.00 x 3.00 (177.80 x 254.00 x 76.20)	L193-ND	36.96	30.68	27.72	
8.00 x 10.00 x 2.00 (203.20 x 254.00 x 50.80)	L194-ND	33.68	27.96	25.26	
8.00 x 10.00 x 3.00 (203.20 x 254.00 x 76.20)	L195-ND	38.58	32.03	28.94	
8.00 x 10.00 x 4.00 (203.20 x 254.00 x 101.60)	L196-ND	41.66	34.58	31.25	
8.00 x 12.00 x 3.00 (203.20 x 304.80 x 76.20)	L197-ND	42.80	35.53	32.10	
Fig. 10 - Drawn Miniature Box with Ears (Lids Sold Separately)					
1.75 x 1.25 x .88 (44.45 x 31.75 x 22.23)	L206-ND	2.14	1.78	1.61	
2.00 x 1.75 x .75 (50.80 x 44.45 x 19.05)	L208-ND	2.14	1.78	1.61	
2.00 x 1.75 x 1.00 (50.80 x 44.45 x 25.40)	L210-ND	2.14	1.78	1.61	
2.00 x 2.00 x 1.25 (50.80 x 50.80 x 31.75)	L212-ND	2.14	1.78	1.61	
Optional Lids for Drawn Miniature Boxes					
Lid for L206-ND Box	L205-ND	1.46	1.22	1.10	
Lid for L208-ND Box	L207-ND	1.46	1.22	1.10	
Lid for L210-ND Box	L209-ND	1.46	1.22	1.10	
Lid for L212-ND Box	L211-ND	1.46	1.22	1.10	

♦ RoHS Compliant

KEYSTONE Instrument Boxes

• Panels: Mount flush inside of case, holes drilled in panel positioned for the inserts
 • Phenolic Panel: .062" thick glossy black MIL-P-3115C • Aluminum Panel: .062" thick, #5052-H34 per QQ 318 C • Boxes: Precision molded with rounded outside corners, and ≤ 3/16" x 3/16" (4.76mm x 4.76mm) deep threaded brass inserts in base.
Note 1: 703 and 704 have 4-40 tapped hole in each corner - no inserts
Note 2: 705 mounting holes untapped - Use #4 self tapping screw.

Dimensions Inches (mm)		Case Only		Black Phenolic Panel Only		Aluminum Panel Only	
A	B	Digi-Key Part No.	Price Each	Digi-Key Part No.	Price Each	Digi-Key Part No.	Price Each
2.88 (73.15)	4.00 (101.60)	703K-ND	3.63	2042K-ND	1.58	2044K-ND	2.28
2.88 (73.15)	4.00 (101.60)	705K-ND	3.58	2042K-ND	1.58	2044K-ND	2.28
3.13 (79.50)	5.88 (149.35)	704K-ND	12.21	2043K-ND	2.37	2045K-ND	3.71
3.75 (95.25)	6.25 (158.75)	700K-ND	8.25	2037K-ND	3.58	2046K-ND	3.41
5.25 (133.35)	6.81 (172.97)	701K-ND	15.15	2038K-ND	4.95	2047K-ND	4.65
7.38 (187.45)	8.38 (212.85)	702K-ND	26.34	2039K-ND	10.83	2048K-ND	10.44

♦ RoHS Compliant * .093" Thick

Instrument Boxes

Economical cases molded of high impact material. Mating cover has interlocking flange on lid, countersunk holes for flush mounting. Internal grooved guides to hold PC boards and circuit cards from .062 to .