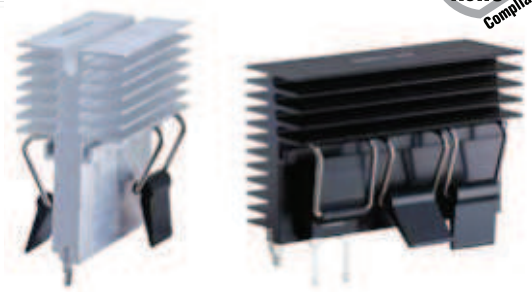
CR Series

Heatsink with universal camp-clip

This product has been DISCONTINUED since August 2024

RoHS Compliant



FEATURES

- Minimum assembly cost and labor: make the mounting holes, fasteners, tools and fixtures obsolete in assembly operations & reduce costs.
- Maximum Repeatability: Constant spring force over repeated assembly/disassembly
- Maximum Reliability: Resilient spring action locks electronic component in place. Fewer parts in assembly and no fasteners and washers required. Prevent short circuit by eliminating metal particles generated from hardware or thread tapping
- Design Flexibility: Maximum flexibility for dynamic device locations and power up grading. "Configure-to-Fit" gives designers total freedom to configure heat sink needed to fit their dynamic design environments.

Ohmite introduces the CR-series, configurable and patented (Pat. Pending) high performance, heatsinks with universal cam-clip for TO-247, TO-264, and other packages. This proprietary heat sink provides tool and fixture free assembly operation with its Pat Pending cam clip system.

The CR series heatsinks are comparable to some AAVID popular MAX-clip heat sinks in footprint and thermal performance. It is the ideal type of heatsink for high power density and small size electronic packaging with forced convection cooling.

SERIE SPECIFICATION

Heatsink Part Number	Surface Area (mm^2/in^2)	Weight (oz/g)	Length (mm)	Thermal Resistance* (°C/W)
CR101-25	12,785/20	1.0 / 28	25	7.6
CR101-50	25,570/40	2.0 / 57	50	5.3
CR101-75	38,355/60	3.0 / 85	75	4.2
CR201-25	23,705/36.8	1.8 / 52	25	4.7
CR201-50	47,409/73.5	3.6 /103	50	3.3
CR201-75	71,114/110	5.4 /155	75	2.6
CR301-25	12,595/19.5	1.38 /39	25	8.1
CR301-50	25,189/39.0	2.75 /78	50	5.7
CR301-75	37,784/58.5	4.12/117	75	4.5
CR401-25	20,477/31.7	2.26/63.5	25	5.4
CR401-50	40,954/63.5	4.48/127	50	3.8
CR401-75	61,431/95.2	6.74/191	75	3.0

*Natural convection thermal resistance based on 70 °C Temp rise above ambient.

ORDERING INFORMATION

RoHS Compliant

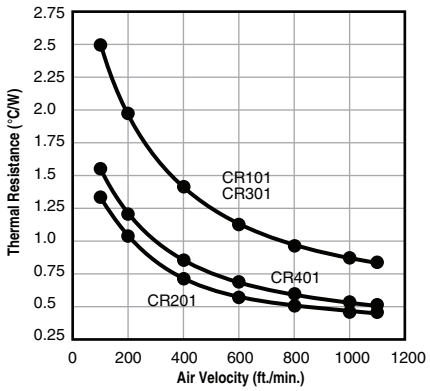
C R 1 0 1 - 2 5 - A E — **C L A - T O - 2 1 E**

- **Series**
- **Extrusion style**: 101, 201,301,401
- **Length** (mm): 25, 50, 75
- **Coating**: A = Anodized, V = degreased
- **Cam Clip**: ordered separately

CHARACTERISTICS

Heat Sink	Aluminum Alloy 6063-T5 or Equivalent with either degreased or black anodized finish.
Spring Clip	Music Wire, Per ASTM A228 with bright nickel plating
Solder Foot	Cold-rolled Steel, Per ASTM A-366 with pure tin over copper strike. RoHS compliant.
Insulator	(Optional) Sil-Pad 900-S, K6 800-S and K10

Thermal Performance



Two TO-247 heat sources uniformly spaced on the heat Sink, L= 1.97" [50mm] and total of 10W Power Dissipation

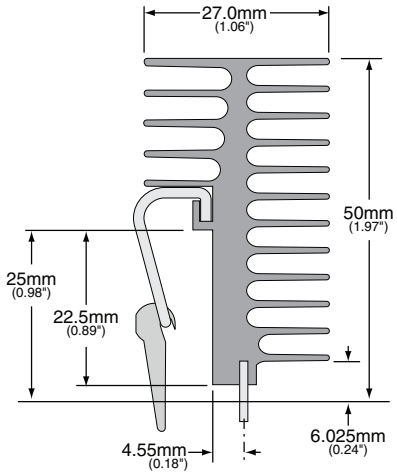
(continued)

CR Series

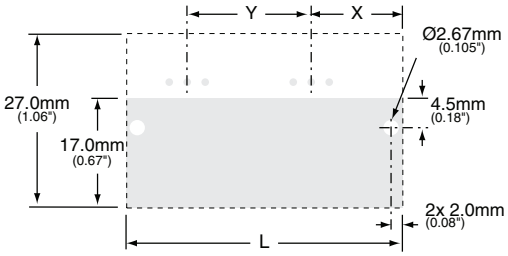
Heatsink with universal cam-clip

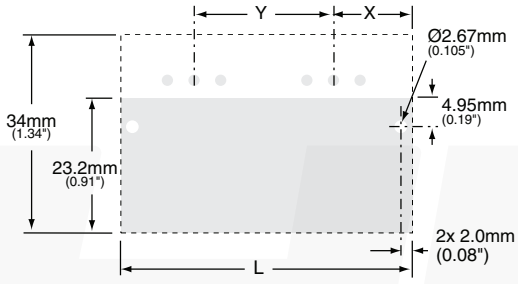
DIMENSION

mm/(in)

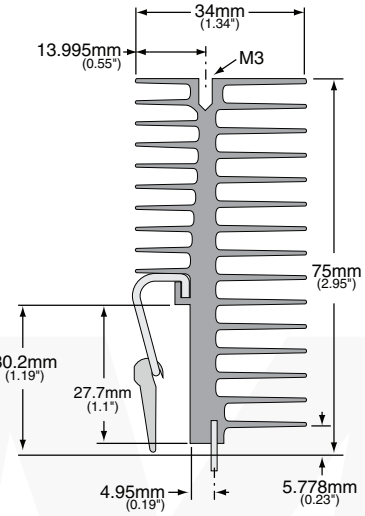


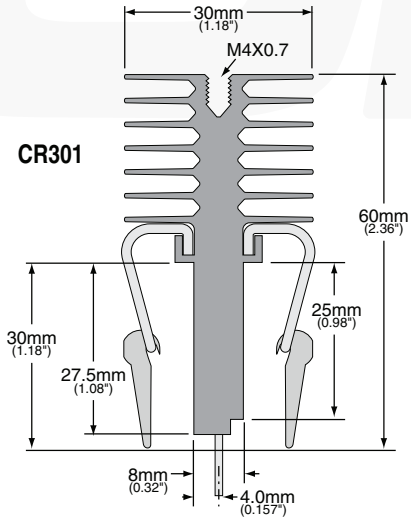
CR101



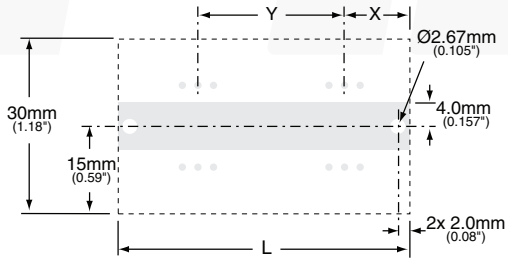


CR201

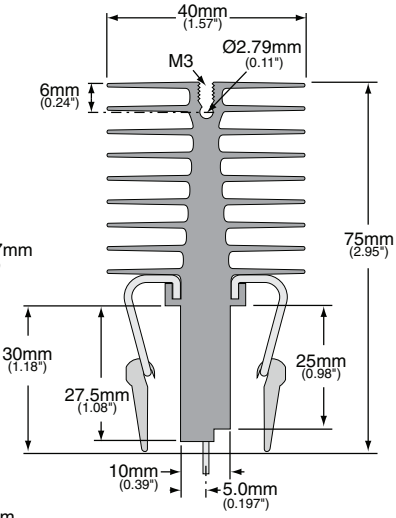


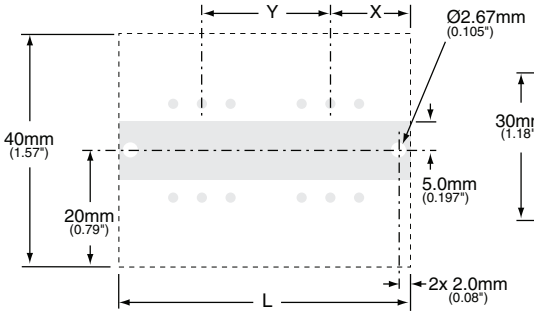


CR301

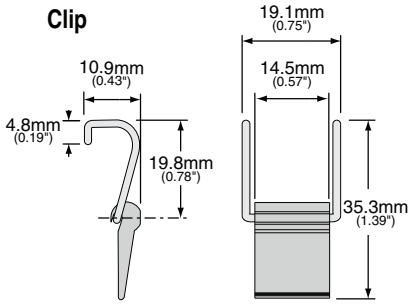


CR401





Clip



rev 2/18-1