

# VM Series

## Variable Mount Heatsink Series

Ohmite introduces this new versatile heatsink design. This new design can accommodate several different industry packages. This design also lets the customer choose a mounting style using screws or clips for secure mounting to the heatsink. These one of a kind heatsinks are offered in a vertical (free convection cooling) or horizontal format (forced convection cooling) to fit customer applications.



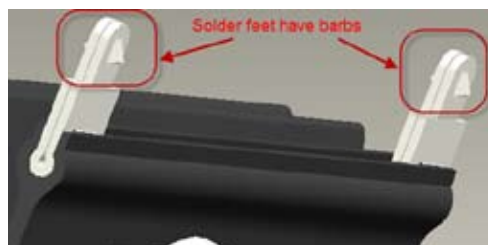
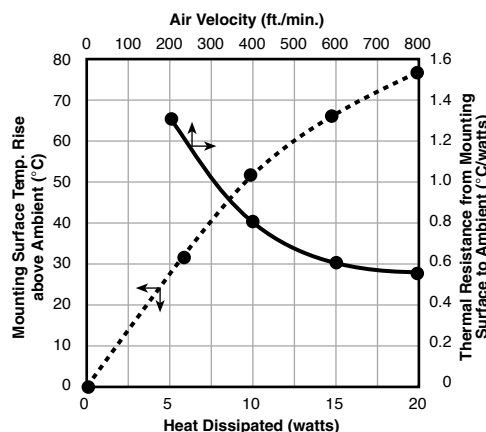
### SERIES SPECIFICATIONS

| Heatsink Part Number | Mount      | Surface Area (in <sup>2</sup> / mm <sup>2</sup> ) | Weight (oz / g) | Length L or Height H (mm) | Surface Finish |
|----------------------|------------|---------------------------------------------------|-----------------|---------------------------|----------------|
| VM1-038-1AE          | vertical   |                                                   |                 |                           |                |
| VM2-038-1AE          | horizontal | 39.6 / 25,546                                     | 1.48 / 42       | 38.6                      | anodized       |
| VM3-038-1AE          | universal  |                                                   |                 |                           |                |

### CHARACTERISTICS

|                                     |                                                                                                                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Heat Sink</b>                    | Aluminum Alloy 6063-T5 or Equivalent with either degreased or black anodized finish                                                                                                               |
| <b>Solder Foot</b>                  | Cold-rolled Steel, Per ASTM A-366 with pure tin over copper strike. RoHS compliant. Barbed for secure attachment                                                                                  |
| <b>Interface Thermal Resistance</b> | for improvement, use thermal joint compound, 0.005 Grafoil (TGon 800 by Laird), or phase change material (Hi-Flow by Bergquist) Insulator (Optional) Sil-Pad 900-S, K6 800-S and K10 by Bergquist |

### Heat Dissipation



(continued)

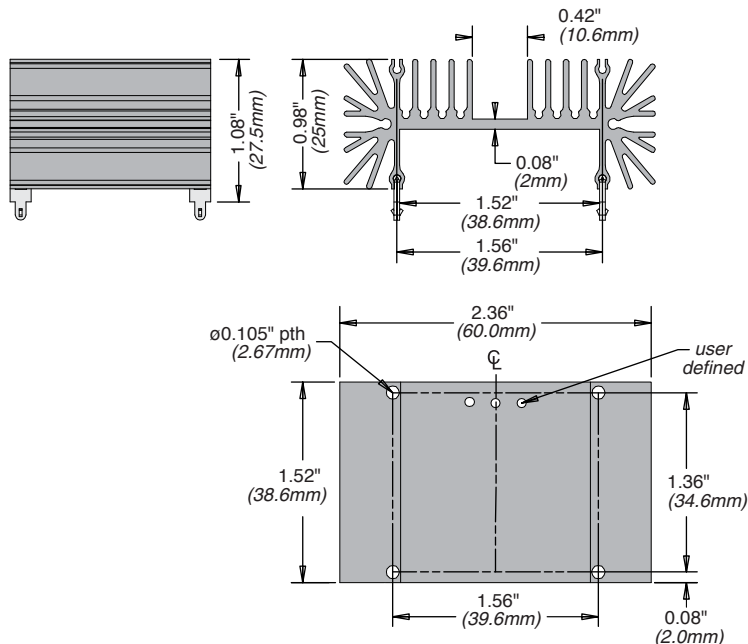
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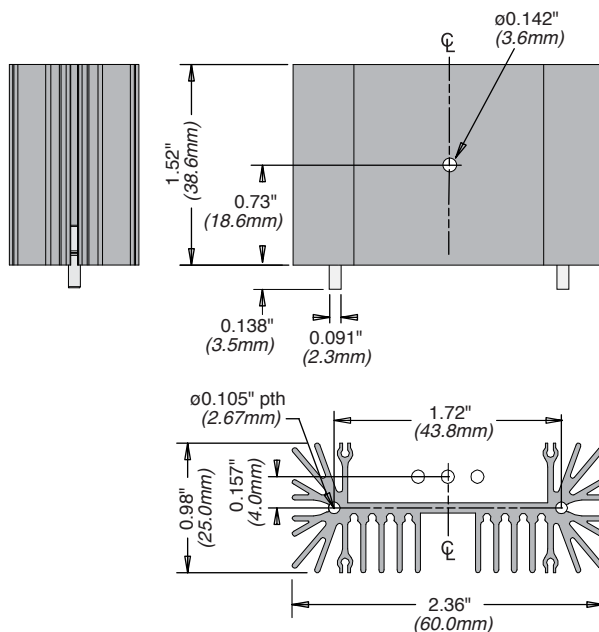
### DIMENSIONS

(in./mm)

#### Horizontal Configuration



#### Vertical Configuration



### HOW TO ORDER

**VM 1 - 038 - 1 A E**

Finish  
A = black anodized  
V = degreased

RoHS compliant

| Series | Mount      | Length (mm) | Configuration               |
|--------|------------|-------------|-----------------------------|
| 1      | Vertical   |             | 1 = 1 hole (TO-247, TO-220) |
| 2      | Horizontal |             |                             |
| 3      | Universal  |             |                             |