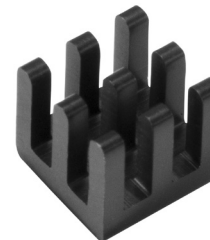


**MODEL:** HSB01-080808 | **DESCRIPTION:** HEAT SINK

**FEATURES**

- BGA design
- small footprint
- aluminum alloy
- black anodized finish



**MODEL**

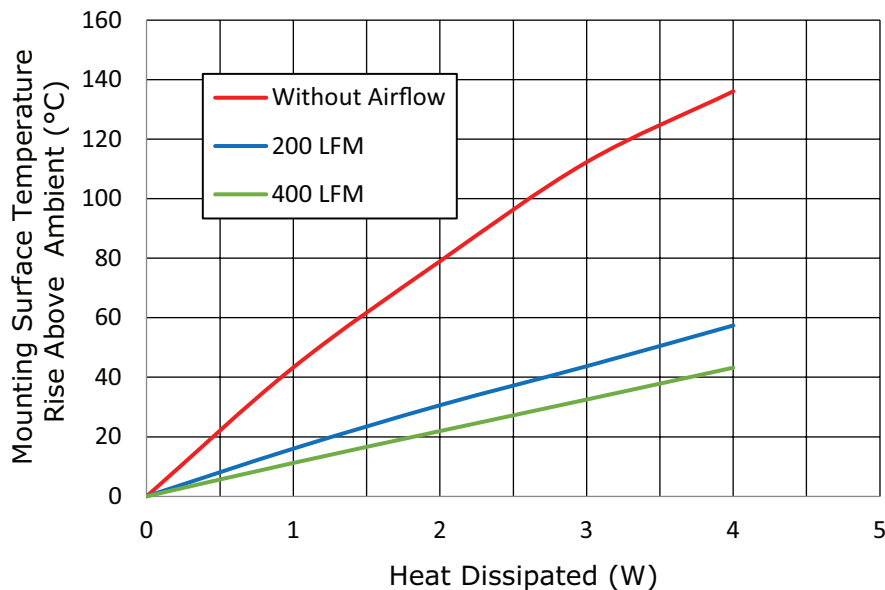
|              | thermal resistance <sup>1</sup> |                        |                       |                       | power dissipation <sup>1</sup><br>@ 75°C ΔT, nat conv [W] |
|--------------|---------------------------------|------------------------|-----------------------|-----------------------|---|
|              | @ 75°C ΔT, nat conv [°C/W]      | @ 1 W, nat conv [°C/W] | @ 1 W, 200 LFM [°C/W] | @ 1 W, 400 LFM [°C/W] |   |
| HSB01-080808 | 39.10                           | 43.30                  | 16.00                 | 11.20                 | 1.92  |

Note: 1. See performance curves for full thermal resistance details.

**PERFORMANCE CURVES**

| Power (W) | Heatsink Temperature Rise Above Ambient (ΔT = T <sub>hs</sub> - T <sub>a</sub> ) [°C] |         |         |
|-----------|---|---------|---------|
|           | Natural Conv.   | 200 LFM | 400 LFM |
| 0         | 0   | 0       | 0       |
| 1         | 43.3  | 16.0    | 11.2    |
| 2         | 79.0  | 30.6    | 21.9    |
| 3         | 112.3   | 43.7    | 32.5    |
| 4         | 136.1   | 57.4    | 43.2    |

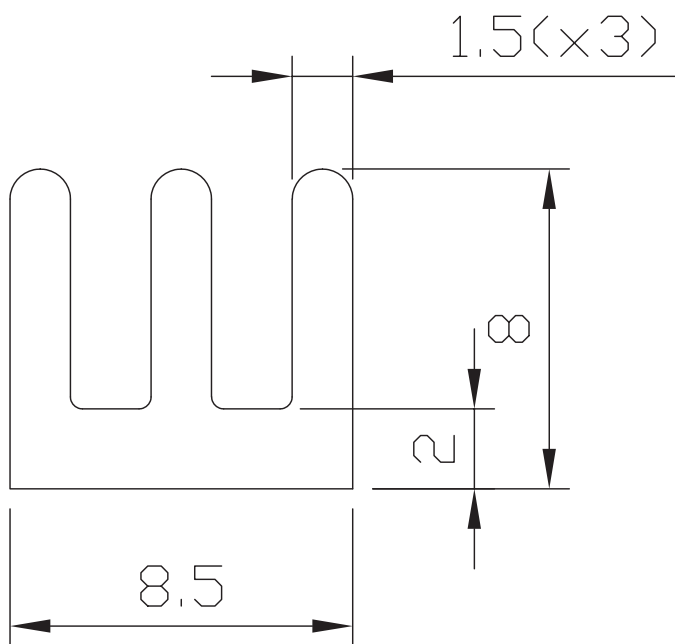
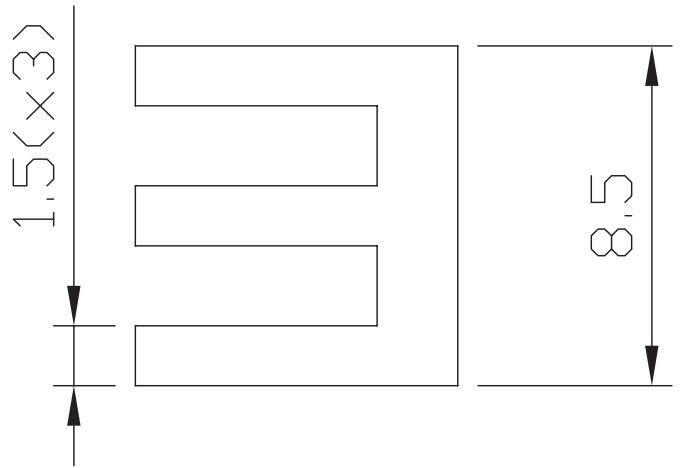
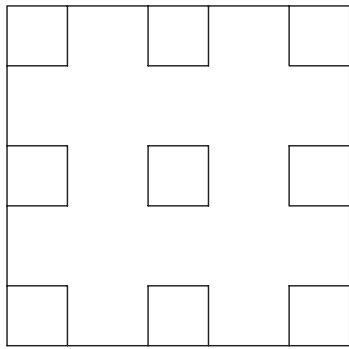
T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature



## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.38$  mm

|          |                |
|----------|----------------|
| MATERIAL | AL 6063-T5     |
| FINISH   | black anodized |
| WEIGHT   | 1.9 g          |



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 06/24/2021 |
| 1.01 | logo, datasheet style update | 08/05/2022 |

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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