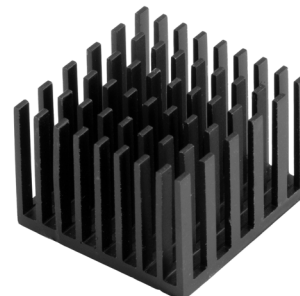


## MODEL: HSB09-212115 | DESCRIPTION: HEAT SINK

### FEATURES

- BGA design
- top mount
- aluminum alloy
- black anodized finish



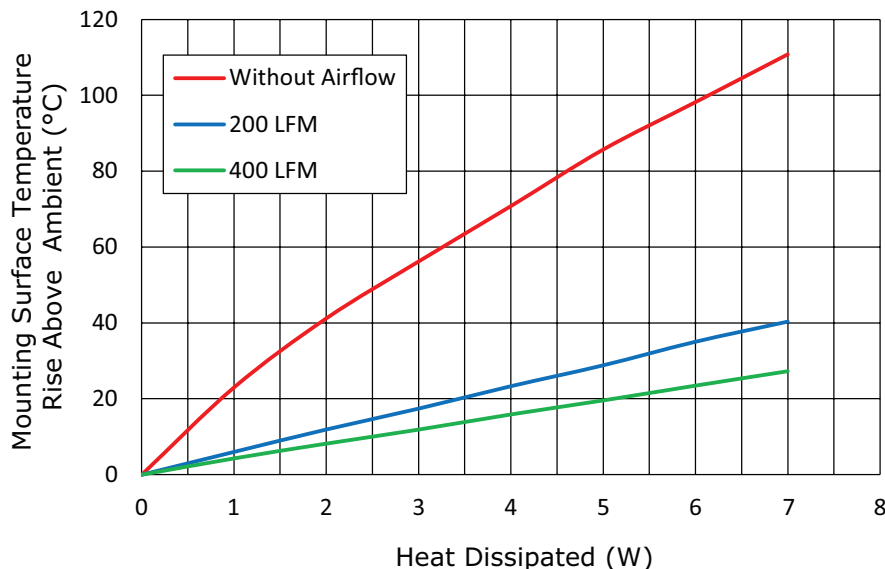
### MODEL

| MODEL        | thermal resistance <sup>1</sup>  |                              |                             |                             | power dissipation <sup>1</sup> |
|--------------|----------------------------------|------------------------------|-----------------------------|-----------------------------|--------------------------------|
|              | @ 75°C ΔT,<br>nat conv<br>(°C/W) | @ 1 W,<br>nat conv<br>(°C/W) | @ 1 W,<br>200 LFM<br>(°C/W) | @ 1 W,<br>400 LFM<br>(°C/W) | @ 75°C ΔT,<br>nat conv<br>(W)  |
| HSB09-212115 | 17.39                            | 23.0                         | 6.0                         | 4.3                         | 4.31                           |

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         | 23.0  | 6.0     | 4.3     |
| 2         | 41.2  | 11.9    | 8.2     |
| 3         | 56.2  | 17.4    | 11.9    |
| 4         | 70.8  | 23.3    | 15.9    |
| 5         | 85.7  | 28.8    | 19.6    |
| 6         | 98.2  | 35.0    | 23.5    |
| 7         | 110.8   | 40.3    | 27.3    |

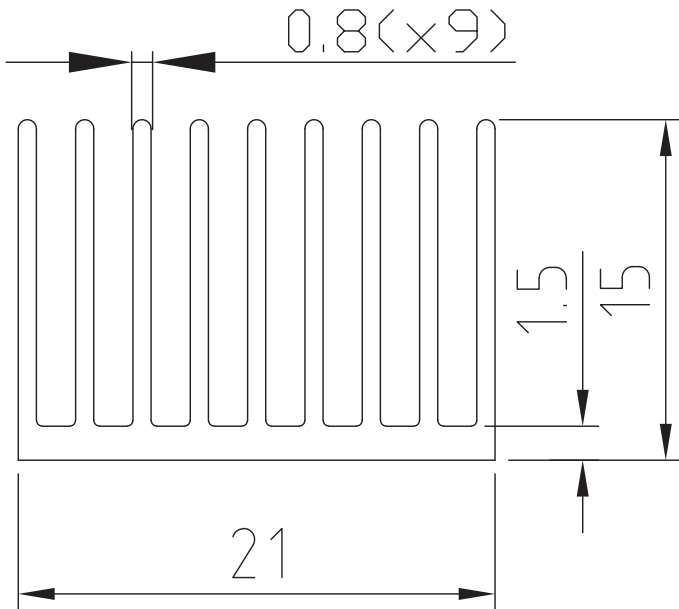
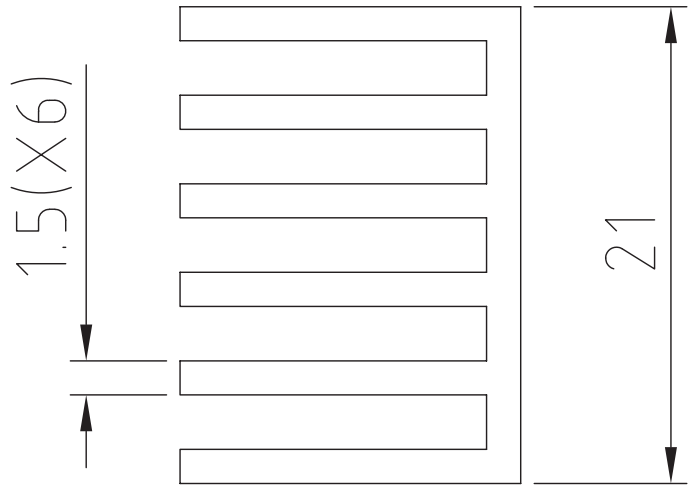
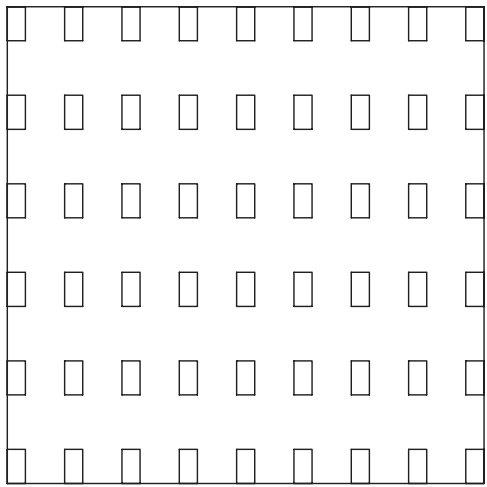


T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
 T<sub>a</sub>: ambient temperature

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.38$  mm

|          |                |
|----------|----------------|
| MATERIAL | AL 6063-T5     |
| FINISH   | black anodized |
| WEIGHT   | 10.1 g         |



## REVISION HISTORY

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| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 06/24/2021 |

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

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# CUI DEVICES

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

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