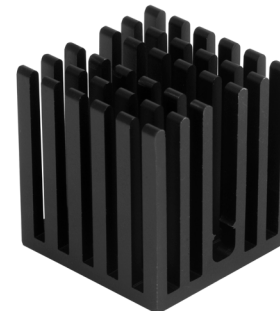


**MODEL:** HSB23-232325 | **DESCRIPTION:** HEAT SINK

**FEATURES**

- BGA design
- small footprint
- top mount
- aluminum alloy



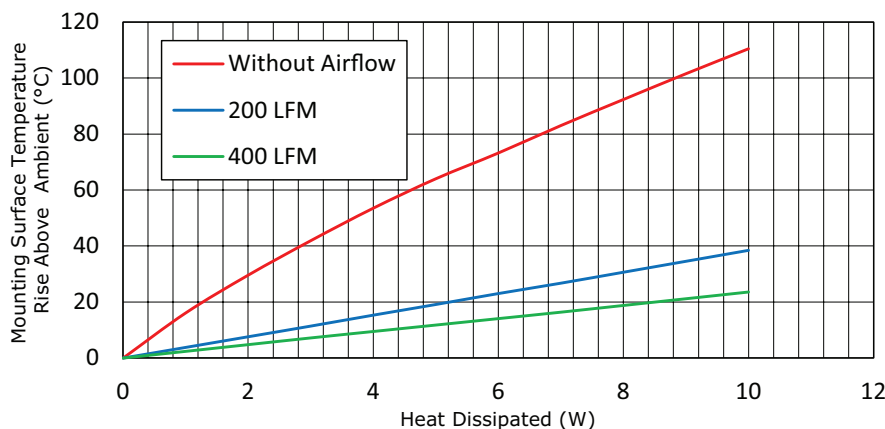
**MODEL**

|              | 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] |   |
| HSB23-232325 | 12.23                           | 16.1                   | 3.8                   | 2.4                   | 6.13  |

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         | 16.1  | 3.8     | 2.4     |
| 2         | 29.6  | 7.6     | 4.8     |
| 3         | 41.9  | 11.4    | 7.2     |
| 4         | 53.5  | 15.3    | 9.5     |
| 5         | 64.0  | 19.1    | 11.8    |
| 6         | 73.2  | 23.0    | 14.1    |
| 7         | 83.0  | 26.7    | 16.4    |
| 8         | 92.3  | 30.6    | 18.8    |
| 9         | 101.5   | 34.5    | 21.2    |
| 10        | 110.4   | 38.4    | 23.6    |

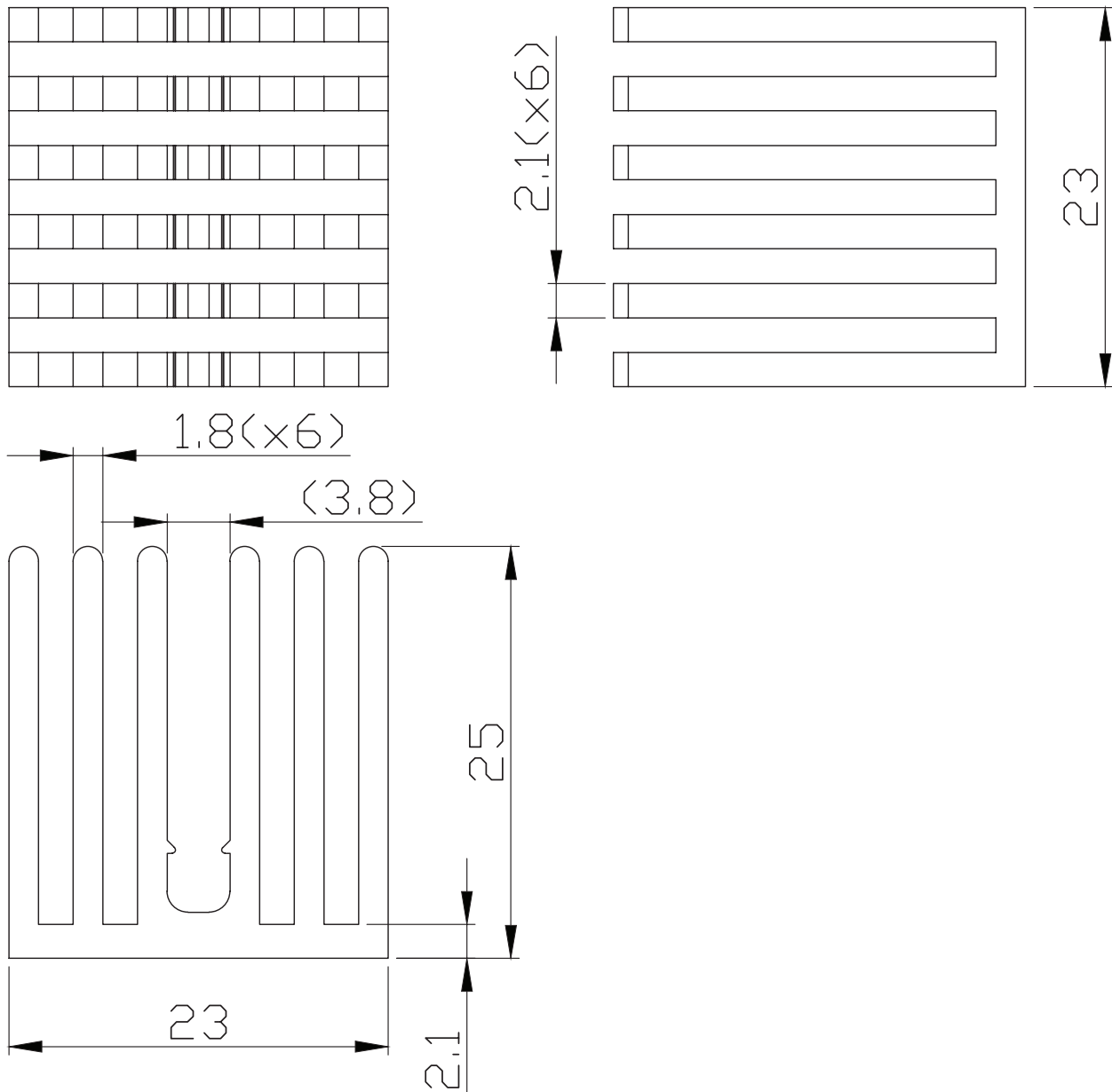


T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature

## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

|          |                |
|----------|----------------|
| MATERIAL | AL 6063-T5     |
| FINISH   | black anodized |
| WEIGHT   | 13.1 g         |



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 04/22/2022 |
| 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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