



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

**FEATURES**

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



**MODEL**

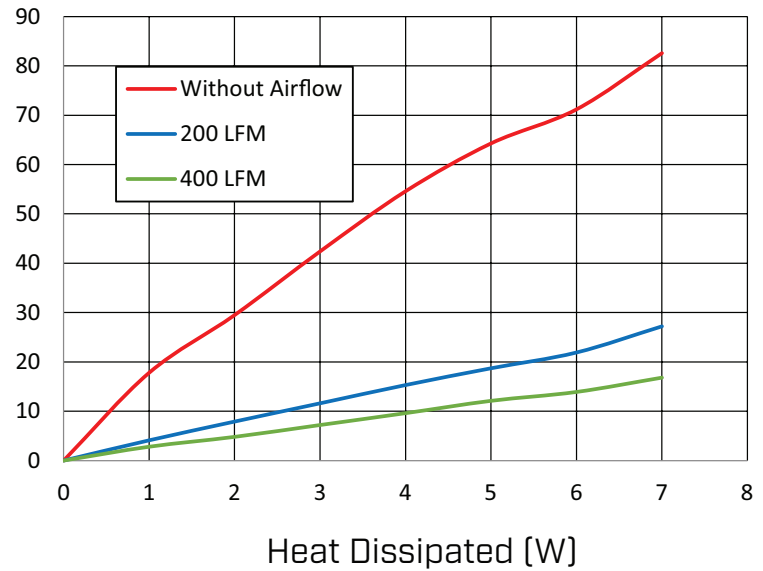
|              | thermal resistance <sup>1</sup> |                        |                       |                       | power dissipation <sup>1</sup><br>@ 75°C ΔT, nat conv [W] |
|--------------|---------------------------------|------------------------|-----------------------|-----------------------|---|
|              | @ 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 | 11.71                           | 17.80                  | 4.10                  | 2.80                  | 6.40  |

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         | 17.8  | 4.1     | 2.8     |
| 2         | 29.5  | 7.9     | 4.8     |
| 3         | 42.4  | 11.6    | 7.2     |
| 4         | 54.6  | 15.3    | 9.6     |
| 5         | 64.3  | 18.7    | 12.1    |
| 6         | 71.2  | 21.9    | 13.9    |
| 7         | 82.6  | 27.2    | 16.8    |

Mounting Surface Temperature Rise Above Ambient [°C]

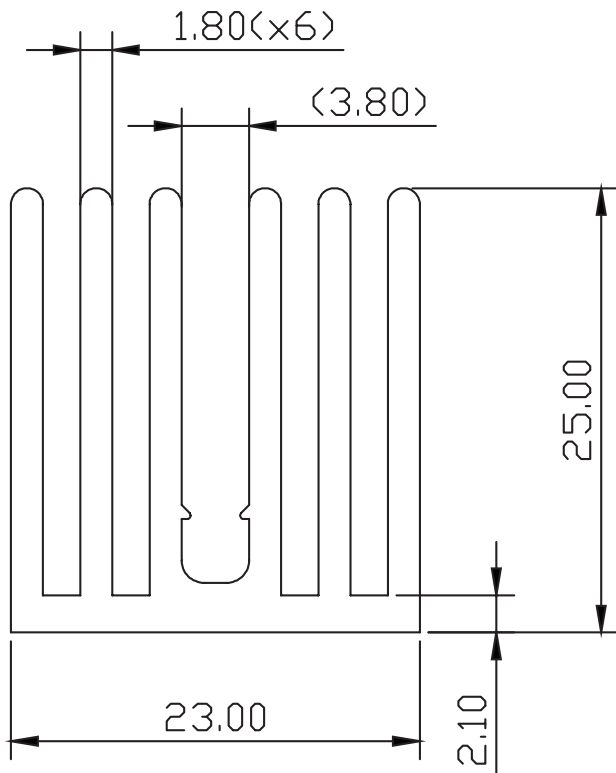
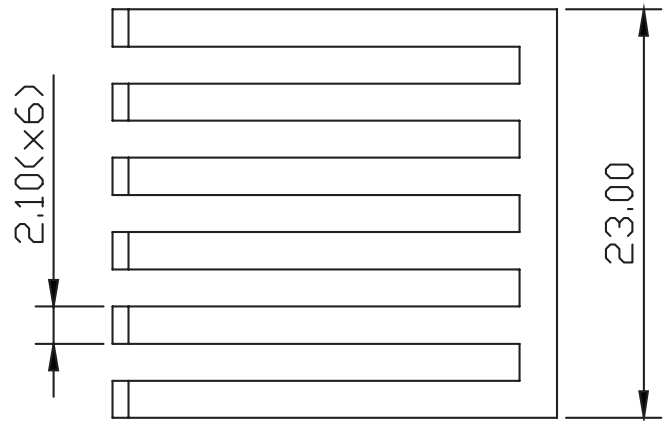
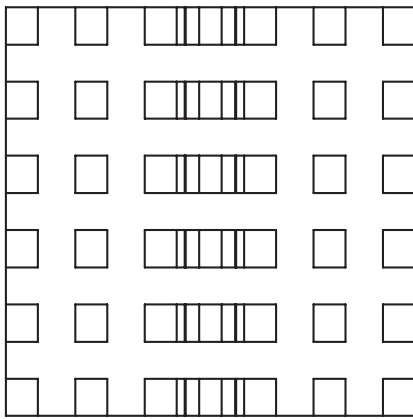


T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

|          |                |
|----------|----------------|
| MATERIAL | AL 6063-T5     |
| FINISH   | black anodized |
| WEIGHT   | 21.75 g        |



## REVISION HISTORY

| rev. | description   | date       |
|------|---|------------|
| 1.0  | initial release   | 04/22/2022 |
| 1.01 | logo, datasheet style update  | 08/05/2022 |
| 1.02 | CUI Devices rebranded to Same Sky   | 09/12/2024 |
| 1.03 | product reengineered for improved manufacturability and production yield, see PCN for details | 12/12/2025 |

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



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

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