



MODEL: HSB32-232318 | DESCRIPTION: HEAT SINK

FEATURES

- BGA design
- aluminum alloy
- black anodized finish



MODEL

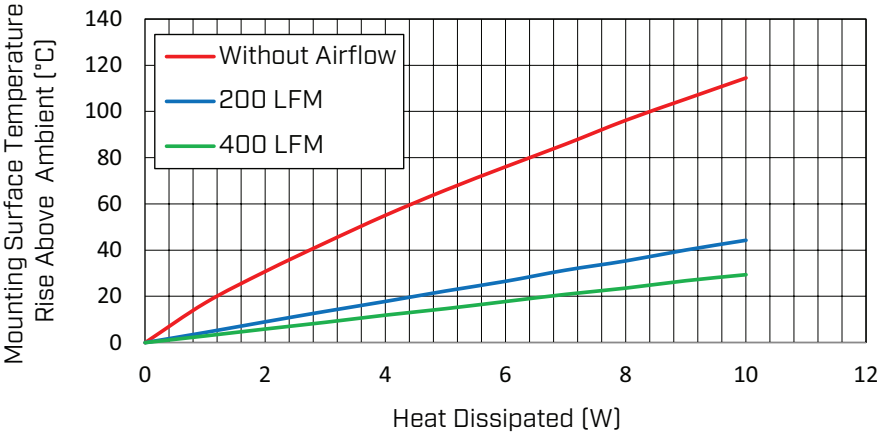
| | thermal resistance ¹ | | | | power dissipation ¹ |
|--------------|---------------------------------|------------------------|-----------------------|-----------------------|--------------------------------|
| | @ 75°C ΔT, nat conv [°C/W] | @ 1 W, nat conv [°C/W] | @ 1 W, 200 LFM [°C/W] | @ 1 W, 400 LFM [°C/W] | @ 75°C ΔT, nat conv [W] |
| HSB32-232318 | 12.67 | 17.2 | 4.4 | 2.9 | 5.92 |

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

PERFORMANCE CURVES

| Power [W] | Heatsink Temperature Rise Above Ambient (ΔT = T _{hs} - T _a) [°C] | | |
|-----------|---|---------|---------|
| | Natural Conv. | 200 LFM | 400 LFM |
| 0 | 0 | 0 | 0 |
| 1 | 17.2 | 4.4 | 2.9 |
| 2 | 30.8 | 9.0 | 5.9 |
| 3 | 43.2 | 13.5 | 8.8 |
| 4 | 55.1 | 17.8 | 11.9 |
| 5 | 66.0 | 22.3 | 14.7 |
| 6 | 76.1 | 26.5 | 17.8 |
| 7 | 85.9 | 31.3 | 20.9 |
| 8 | 96.2 | 35.3 | 23.6 |
| 9 | 105.4 | 40.0 | 26.8 |
| 10 | 114.5 | 44.2 | 29.4 |

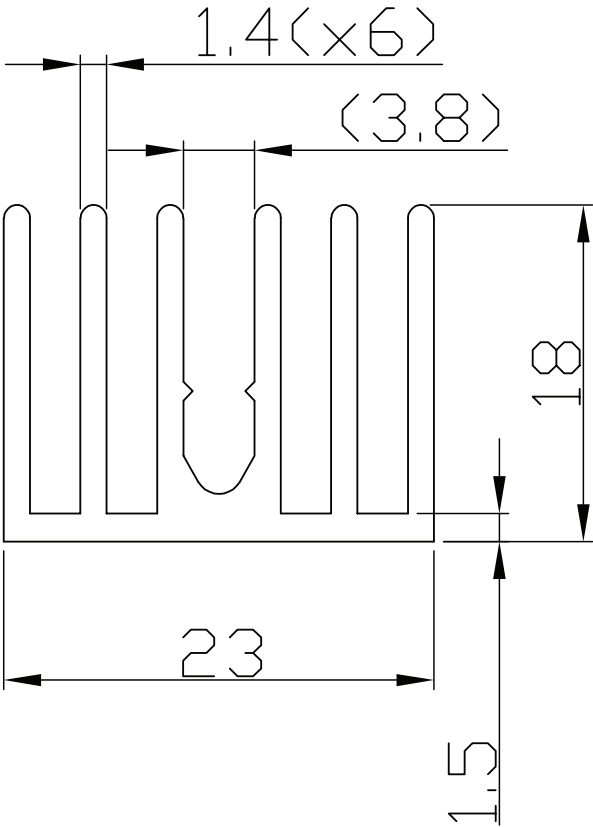
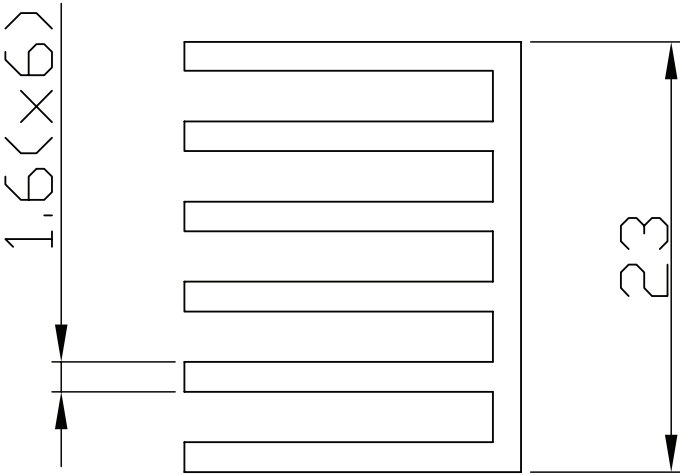
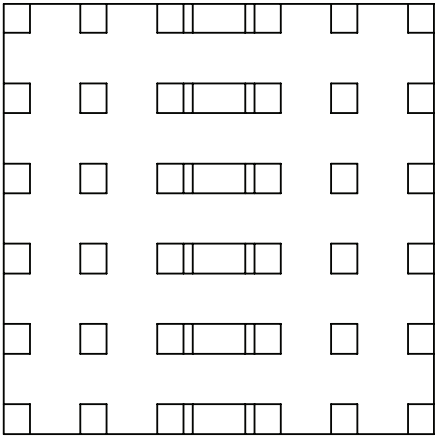
T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.50 mm

| | |
|----------|----------------|
| MATERIAL | AL 6063-T5 |
| FINISH | black anodized |
| WEIGHT | 14 g |



REVISION HISTORY

| rev. | description | date |
|------|-----------------------------------|------------|
| 1.0 | initial release | 03/01/2024 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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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