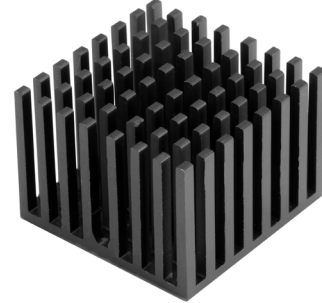




MODEL: HSB20-353525 | **DESCRIPTION:** HEAT SINK

FEATURES

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



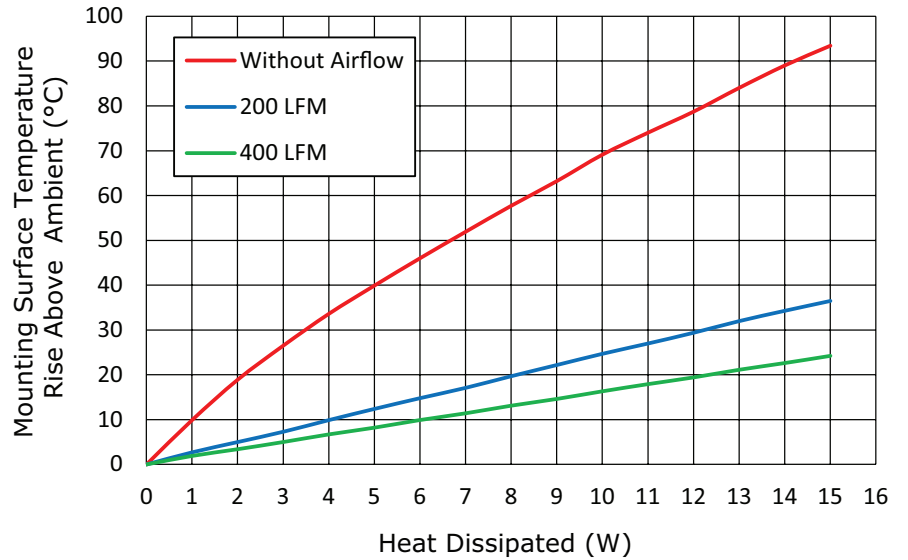
MODEL

| | thermal resistance ¹ | | | | power dissipation ¹ @ 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] | |
| HSB20-353525 | 6.65 | 9.9 | 2.7 | 1.9 | 11.28 |

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 | 9.9 | 2.7 | 1.9 |
| 2 | 18.9 | 5.0 | 3.4 |
| 3 | 26.5 | 7.3 | 5.0 |
| 4 | 33.6 | 9.9 | 6.7 |
| 5 | 39.9 | 12.4 | 8.2 |
| 6 | 46.0 | 14.8 | 9.9 |
| 7 | 51.9 | 17.1 | 11.4 |
| 8 | 57.7 | 19.7 | 13.1 |
| 9 | 63.2 | 22.2 | 14.6 |
| 10 | 69.1 | 24.7 | 16.3 |
| 11 | 74.0 | 27.0 | 17.9 |
| 12 | 78.7 | 29.4 | 19.4 |
| 13 | 84.0 | 32.0 | 21.1 |
| 14 | 89.0 | 34.3 | 22.6 |
| 15 | 93.4 | 36.5 | 24.2 |

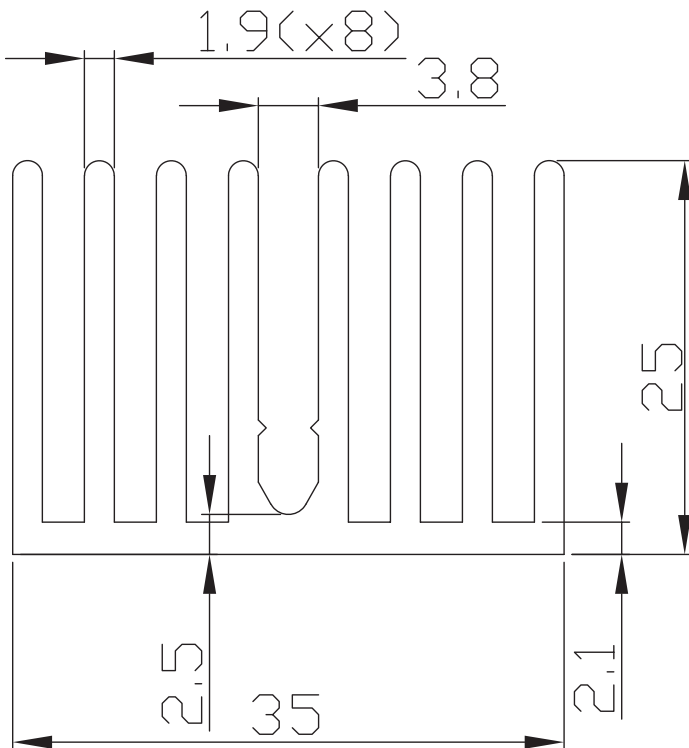
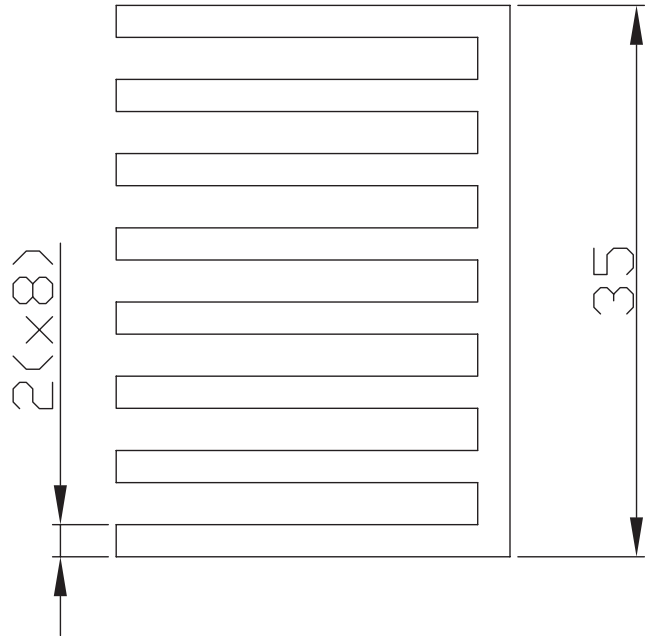
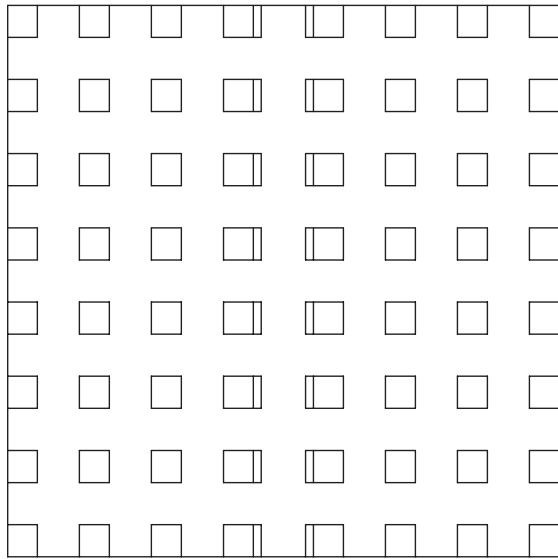


T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ± 0.38 mm

| | |
|----------|----------------|
| MATERIAL | AL 6063-T5 |
| FINISH | black anodized |
| WEIGHT | 20.0 g |



REVISION HISTORY

| rev. | description | date |
|------|-----------------------------------|------------|
| 1.0 | initial release | 06/24/2021 |
| 1.01 | logo, datasheet style update | 08/05/2022 |
| 1.02 | 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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