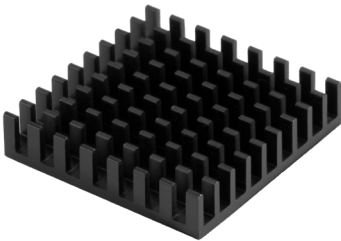




MODEL: HSB12-272706 | DESCRIPTION: HEAT SINK

FEATURES

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



MODEL

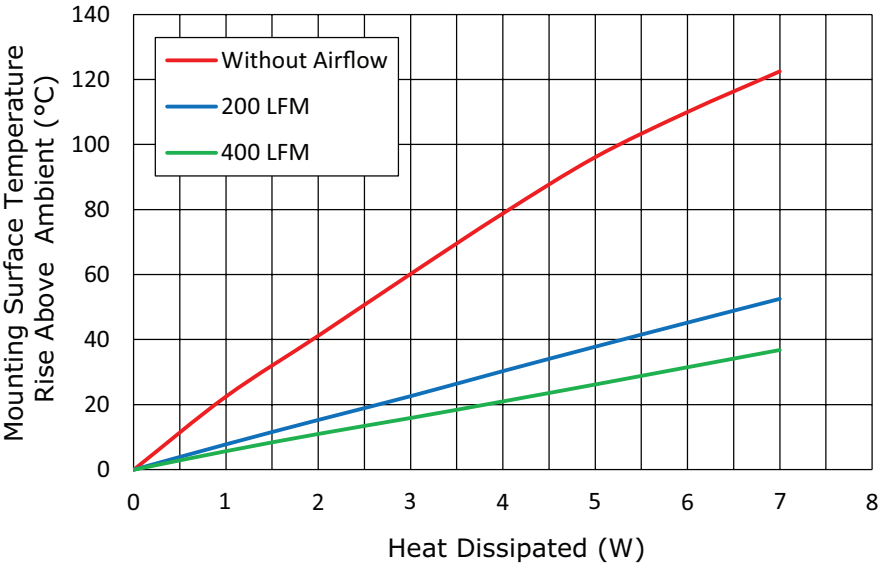
| HSB12-272706 | thermal resistance <sup>1</sup> |                        |                       |                       | power dissipation <sup>1</sup> |
|--------------|---------------------------------|------------------------|-----------------------|-----------------------|--------------------------------|
|              | @ 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]        |
| HSB12-272706 | 19.59                           | 22.5                   | 7.8                   | 5.7                   | 3.83                           |

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

PERFORMANCE CURVES

| Power [W] | Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) [°C] |         |         |
|-----------|--------------------------------------------------------------|---------|---------|
|           | Natural Conv.                                                | 200 LFM | 400 LFM |
| 0         | 0                                                            | 0       | 0       |
| 1         | 22.5                                                         | 7.8     | 5.7     |
| 2         | 41.2                                                         | 15.3    | 11.0    |
| 3         | 60.2                                                         | 22.6    | 15.9    |
| 4         | 78.8                                                         | 30.3    | 21.0    |
| 5         | 96.1                                                         | 37.8    | 26.2    |
| 6         | 110.0                                                        | 45.2    | 31.5    |
| 7         | 122.5                                                        | 52.5    | 36.8    |

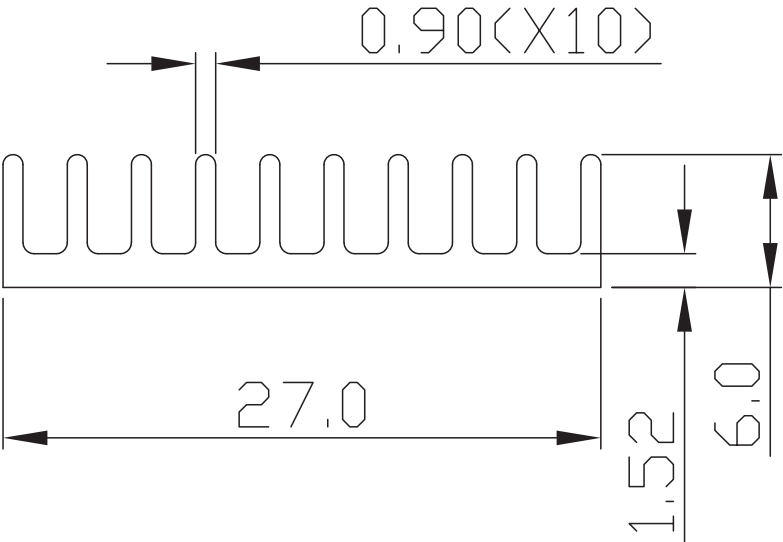
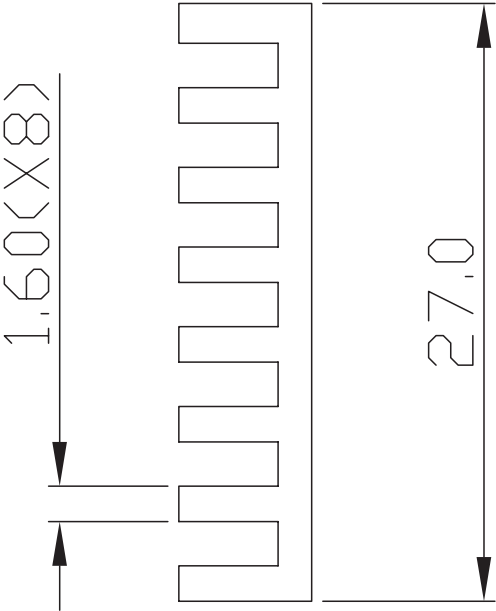
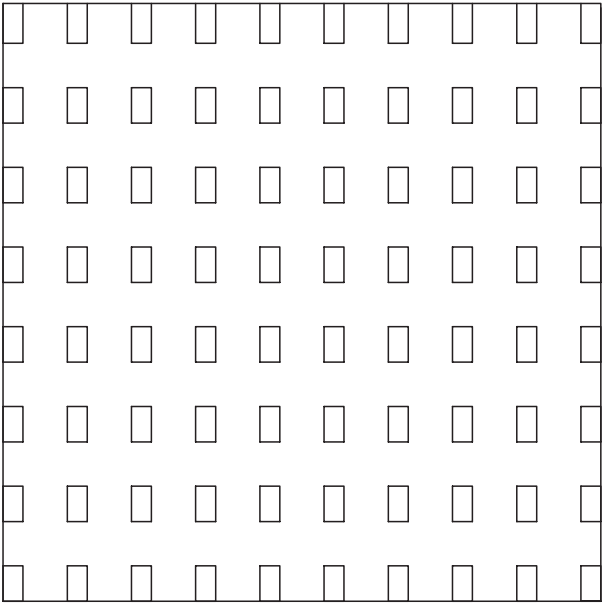
Ths: "hot spot" temperature measured on the heatsink  
Ta: ambient temperature



MECHANICAL DRAWING

units: mm  
tolerance: ±0.38 mm

|          |                |
|----------|----------------|
| MATERIAL | AL 6063-T5     |
| FINISH   | black anodized |
| WEIGHT   | 4.5 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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