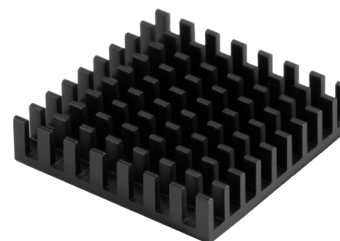


MODEL: HSB12-272706 | **DESCRIPTION:** HEAT SINK

FEATURES

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



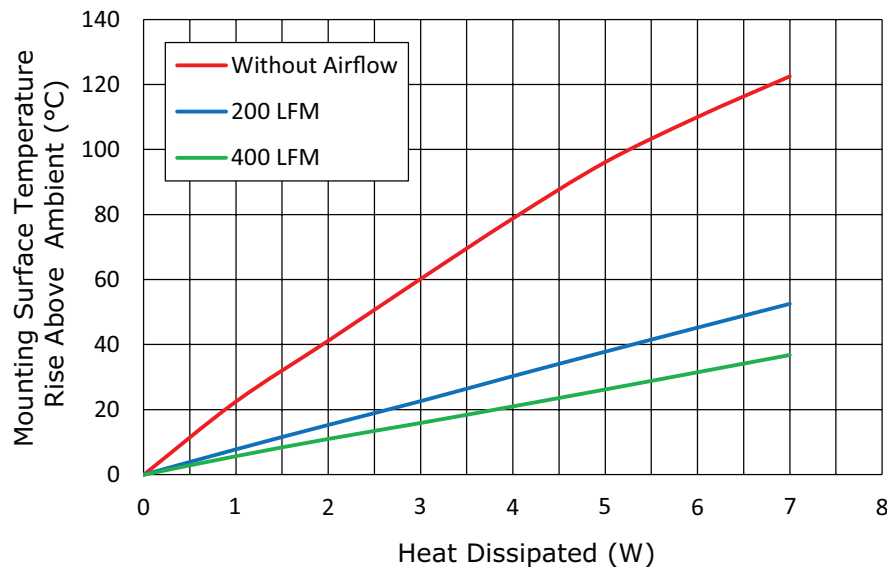
MODEL

| HSB12-272706 | 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] |
| | 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 = T _{hs} - T _a) [°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 |

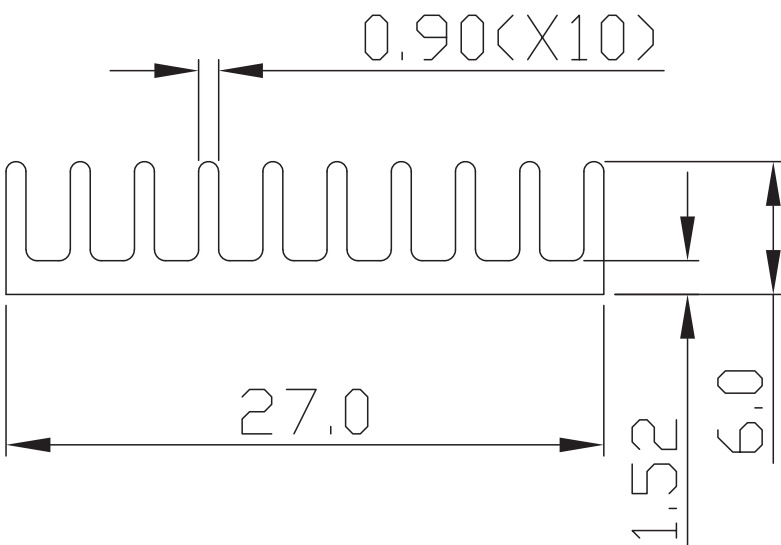
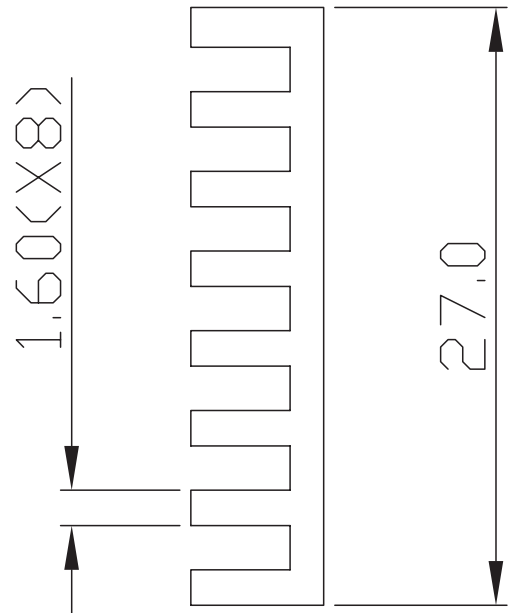
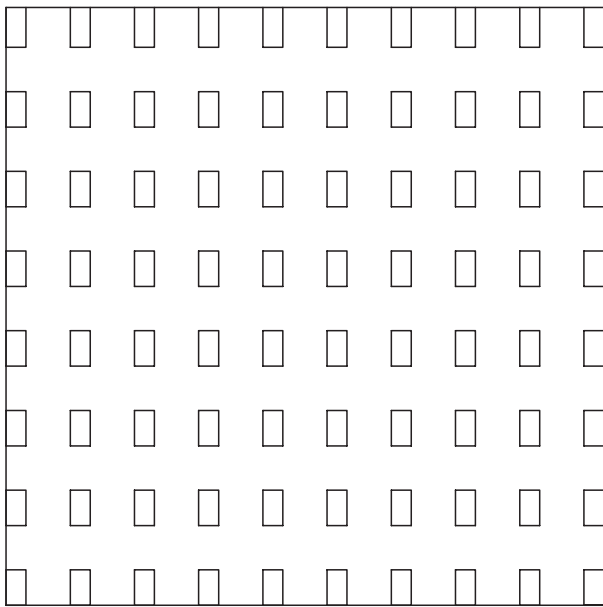


T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.38 mm

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



REVISION HISTORY

| rev. | description | date |
|------|------------------------------|------------|
| 1.0 | initial release | 06/24/2021 |
| 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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