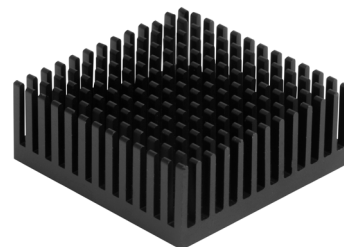


MODEL: HSB27-434316 | **DESCRIPTION:** HEAT SINK

FEATURES

- BGA design
- top mount
- aluminum alloy



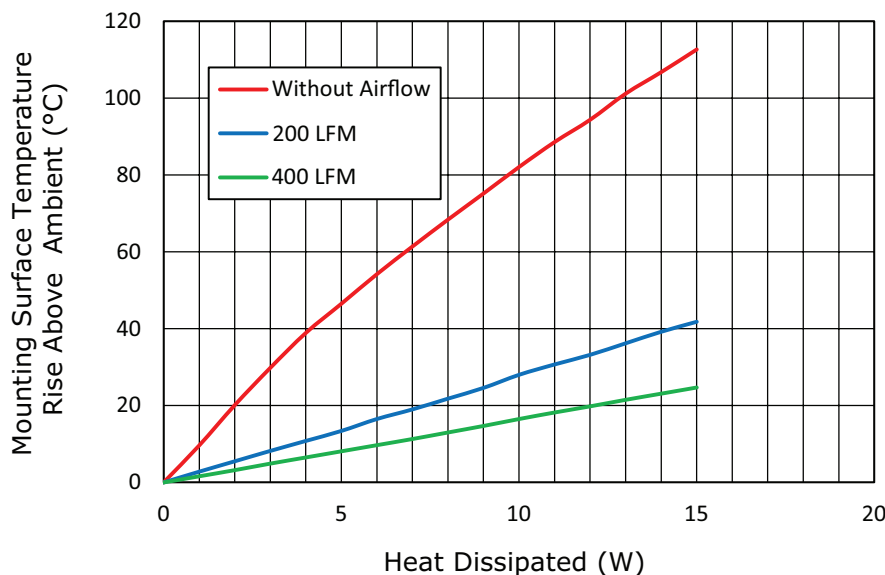
MODEL

| HSB27-434316 | 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] |
| | 8.35 | 9.6 | 2.8 | 1.6 | 8.98 |

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 | 9.6 | 2.8 | 1.6 |
| 2 | 20.1 | 5.5 | 3.2 |
| 3 | 29.8 | 8.2 | 4.9 |
| 4 | 38.9 | 10.8 | 6.5 |
| 5 | 46.5 | 13.4 | 8.1 |
| 6 | 54.2 | 16.5 | 9.7 |
| 7 | 61.4 | 19.0 | 11.3 |
| 8 | 68.4 | 21.8 | 13.0 |
| 9 | 75.2 | 24.6 | 14.7 |
| 10 | 82.1 | 28.0 | 16.5 |
| 11 | 88.6 | 30.7 | 18.2 |
| 12 | 94.4 | 33.2 | 19.8 |
| 13 | 101.2 | 36.2 | 21.5 |
| 14 | 106.8 | 39.2 | 23.1 |
| 15 | 112.7 | 41.8 | 24.7 |

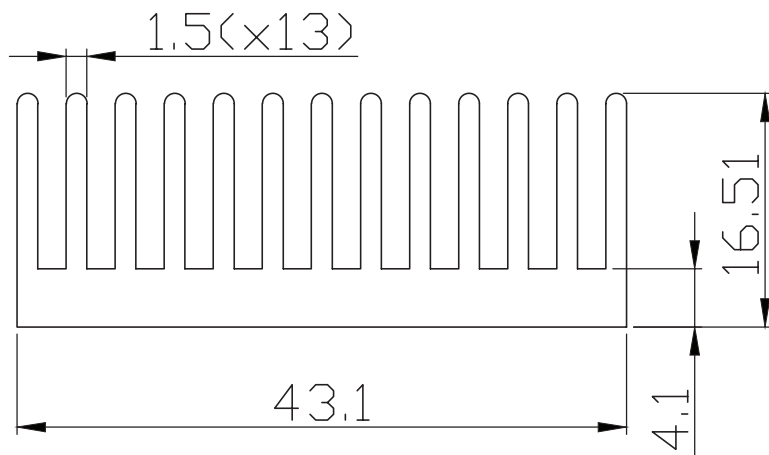
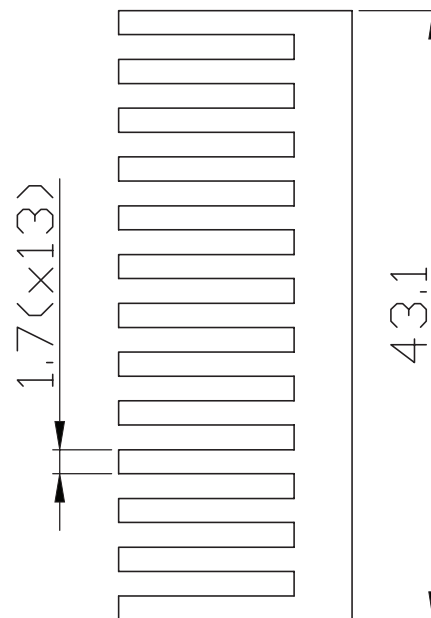
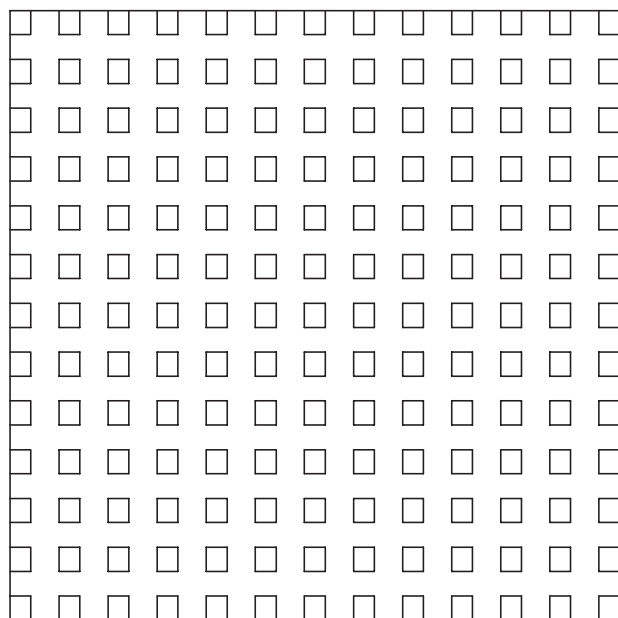


T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

| | |
|----------|----------------|
| MATERIAL | AL 6063-T5 |
| FINISH | black anodized |
| WEIGHT | 35.6 g |



REVISION HISTORY

| rev. | description | date |
|------|------------------------------|------------|
| 1.0 | initial release | 04/15/2022 |
| 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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