

MODEL: HSB35-272725 | **DESCRIPTION:** HEAT SINK

FEATURES

- BGA design
- aluminum alloy
- black anodized finish



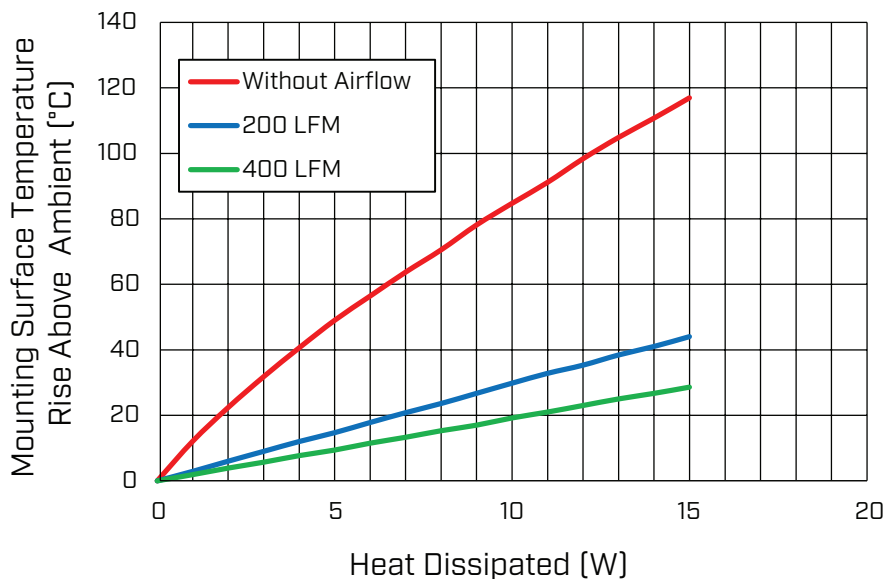
MODEL

| | 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] |
| HSB35-272725 | 8.74 | 12.1 | 2.9 | 1.9 | 8.59 |

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 | 12.1 | 2.9 | 1.9 |
| 2 | 22.4 | 6.0 | 3.9 |
| 3 | 31.8 | 9.0 | 5.7 |
| 4 | 40.6 | 12.0 | 7.7 |
| 5 | 49.0 | 14.7 | 9.4 |
| 6 | 56.4 | 17.8 | 11.5 |
| 7 | 63.7 | 20.8 | 13.3 |
| 8 | 70.5 | 23.6 | 15.3 |
| 9 | 78.1 | 26.7 | 17.0 |
| 10 | 84.7 | 29.8 | 19.2 |
| 11 | 91.1 | 32.8 | 21.0 |
| 12 | 98.3 | 35.3 | 23.0 |
| 13 | 104.8 | 38.4 | 25.0 |
| 14 | 110.7 | 41.0 | 26.7 |
| 15 | 116.9 | 44.0 | 28.6 |

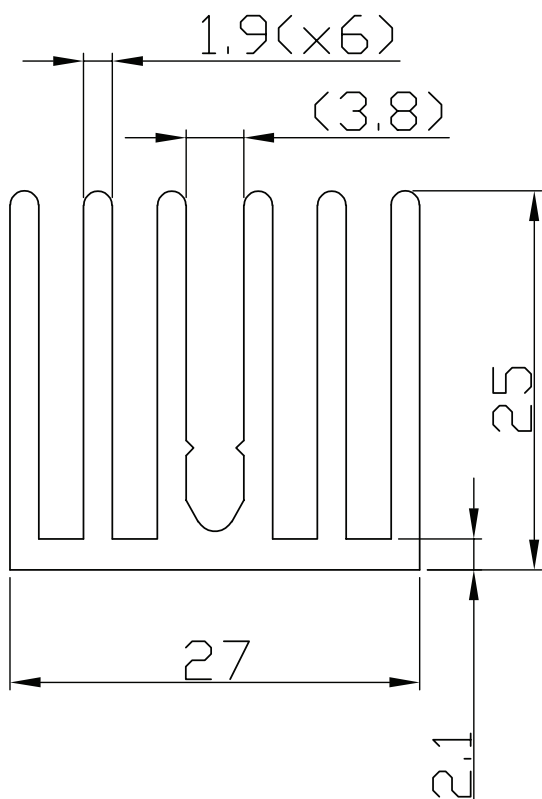
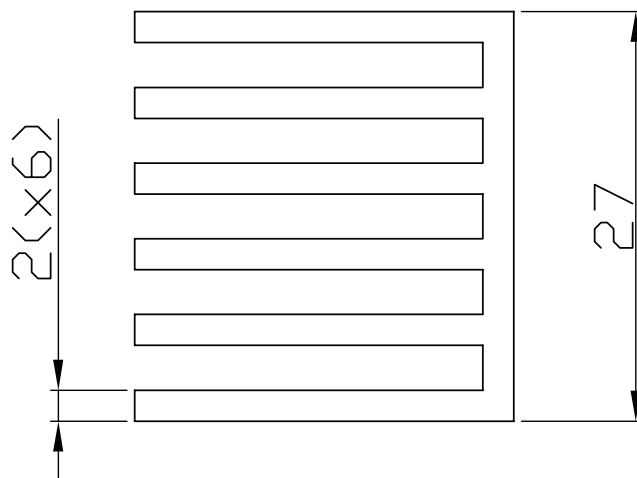
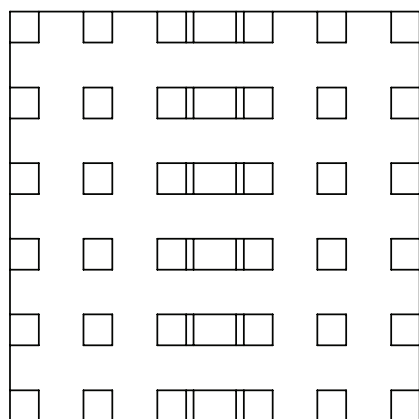


T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

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 |

The revision history provided is for informational purposes only and is believed to be accurate.



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