

**MODEL:** HSB32-232318 | **DESCRIPTION:** HEAT SINK

**FEATURES**

- BGA design
- aluminum alloy
- black anodized finish



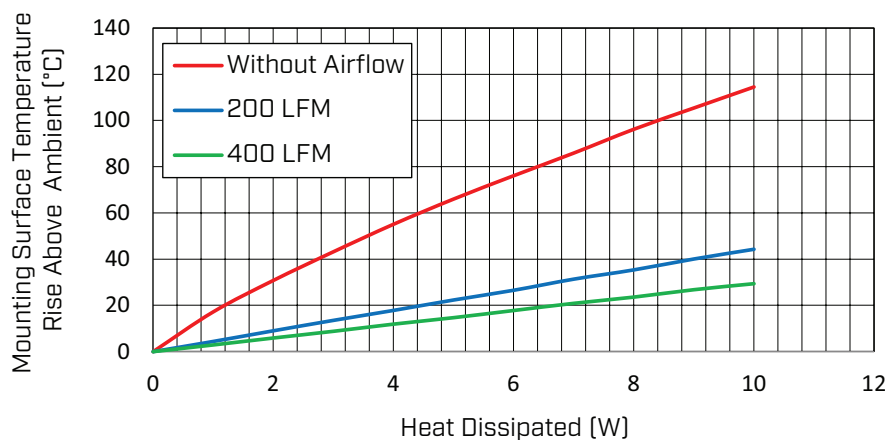
**MODEL**

|              | thermal resistance <sup>1</sup> |                        |                       |                       | power dissipation <sup>1</sup><br>@ 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] |   |
| HSB32-232318 | 12.67                           | 17.2                   | 4.4                   | 2.9                   | 5.92  |

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

**PERFORMANCE CURVES**

| Power (W) | Heatsink Temperature Rise Above Ambient (ΔT = T <sub>hs</sub> - T <sub>a</sub> ) [°C] |         |         |
|-----------|---|---------|---------|
|           | Natural Conv.   | 200 LFM | 400 LFM |
| 0         | 0   | 0       | 0       |
| 1         | 17.2  | 4.4     | 2.9     |
| 2         | 30.8  | 9.0     | 5.9     |
| 3         | 43.2  | 13.5    | 8.8     |
| 4         | 55.1  | 17.8    | 11.9    |
| 5         | 66.0  | 22.3    | 14.7    |
| 6         | 76.1  | 26.5    | 17.8    |
| 7         | 85.9  | 31.3    | 20.9    |
| 8         | 96.2  | 35.3    | 23.6    |
| 9         | 105.4   | 40.0    | 26.8    |
| 10        | 114.5   | 44.2    | 29.4    |

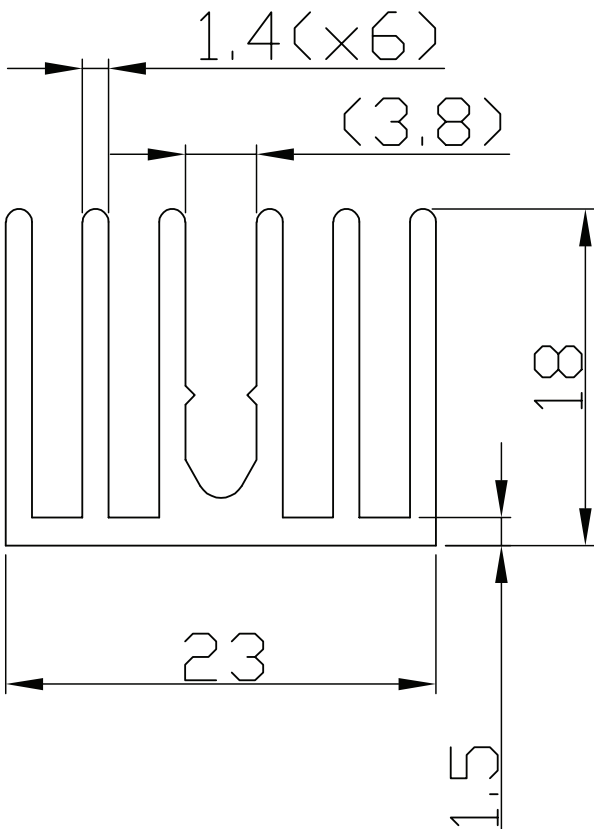
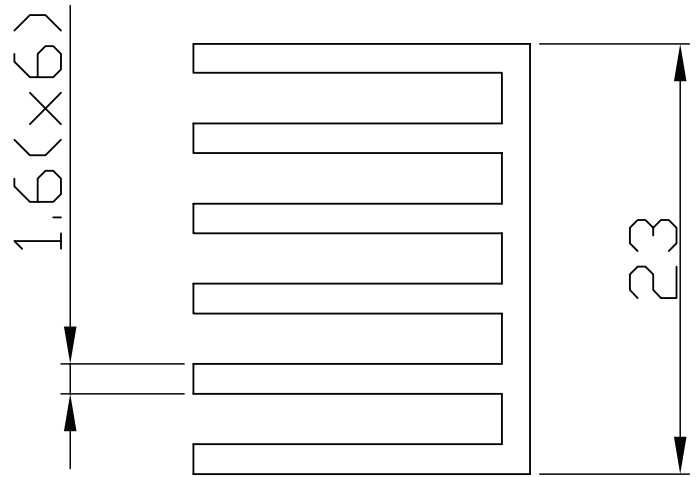
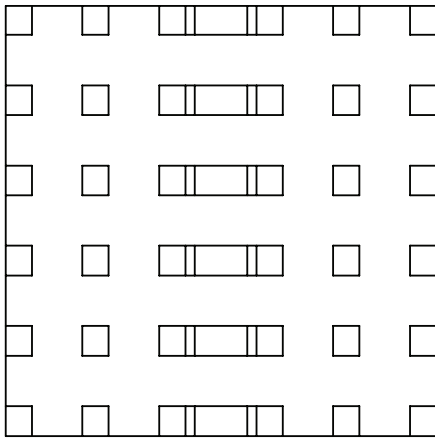


T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
 T<sub>a</sub>: ambient temperature

## 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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