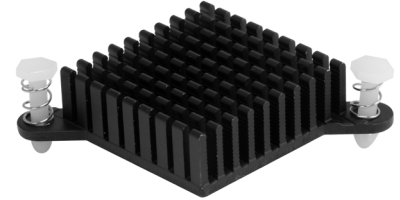


**MODEL:** HSB25-282810 | **DESCRIPTION:** HEAT SINK**FEATURES**

- BGA design
- small footprint
- top mount
- aluminum alloy

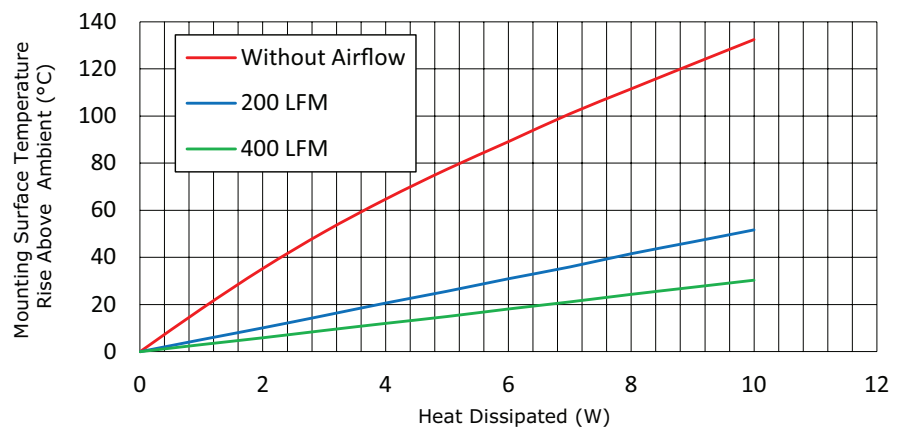
**MODEL**

|              | thermal resistance <sup>1</sup>  |                              |                             |                             | power dissipation <sup>1</sup><br>@ 75°C ΔT,<br>nat conv<br>(W) |
|--------------|----------------------------------|------------------------------|-----------------------------|-----------------------------|---|
|              | @ 75°C ΔT,<br>nat conv<br>(°C/W) | @ 1 W,<br>nat conv<br>(°C/W) | @ 1 W,<br>200 LFM<br>(°C/W) | @ 1 W,<br>400 LFM<br>(°C/W) |   |
| HSB25-282810 | 15.41                            | 18.2                         | 5.1                         | 3.0                         | 4.87  |

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

**PERFORMANCE CURVES**

| Power (W) | Heatsink Temperature Rise Above Ambient ( $\Delta T = T_{hs} - T_a$ ) (°C) |         |         |
|-----------|--|---------|---------|
|           | Natural Conv.  | 200 LFM | 400 LFM |
| 0         | 0  | 0       | 0       |
| 1         | 18.2   | 5.1     | 3.0     |
| 2         | 35.3   | 10.1    | 5.9     |
| 3         | 50.8   | 15.3    | 9.0     |
| 4         | 64.7   | 20.6    | 12.0    |
| 5         | 77.4   | 25.6    | 14.9    |
| 6         | 89.1   | 30.9    | 18.1    |
| 7         | 100.9  | 35.9    | 21.1    |
| 8         | 111.5  | 41.5    | 24.3    |
| 9         | 122.0  | 46.5    | 27.3    |
| 10        | 132.4  | 51.6    | 30.3    |

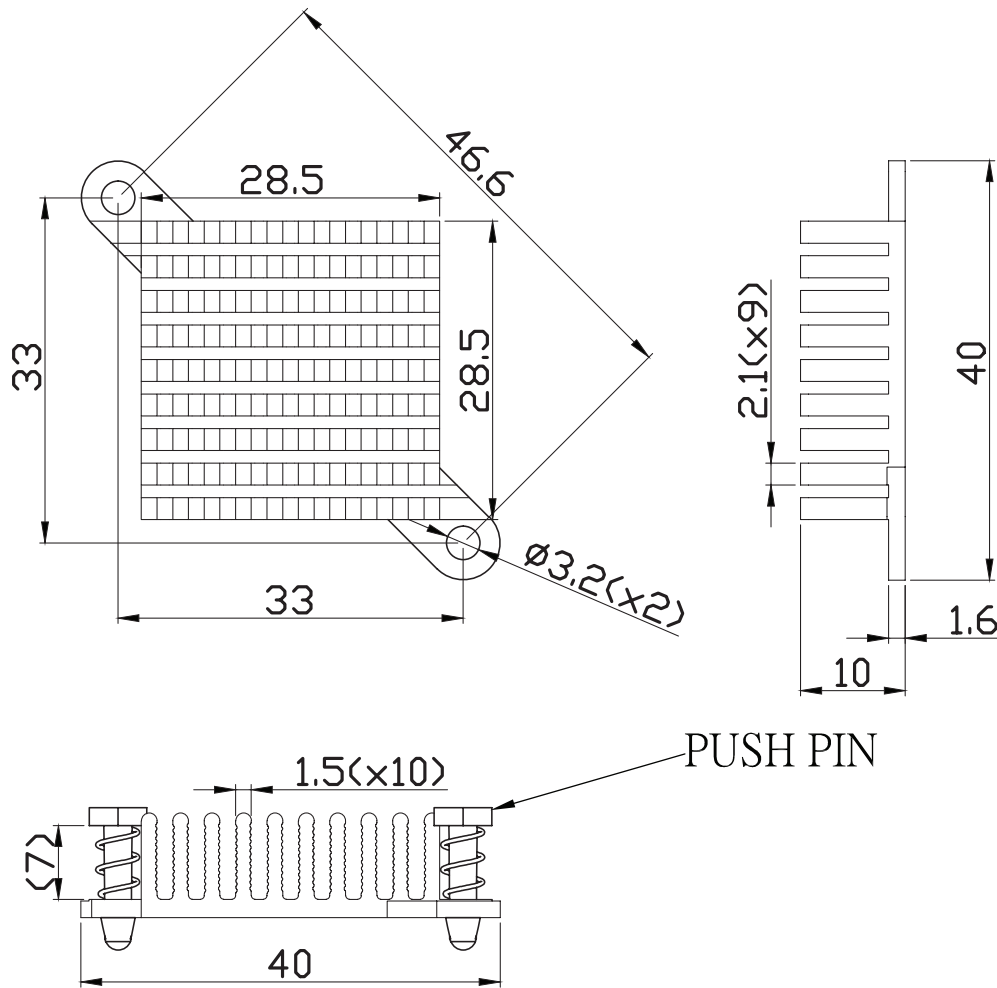


$T_{hs}$ : "hot spot" temperature measured on the heatsink  
 $T_a$ : ambient temperature

## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

|          |                             |
|----------|-----------------------------|
| MATERIAL | AL 6063-T5                  |
| FINISH   | black anodized              |
| PUSH PIN | PA66                        |
| SPRING   | spring steel, nickel plated |
| WEIGHT   | 13.9 g                      |



## REVISION HISTORY

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

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

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# CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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