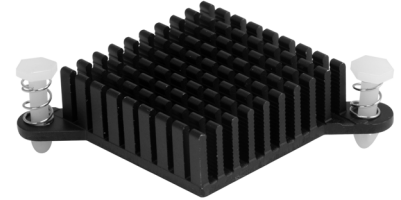


MODEL: HSB25-282810 | **DESCRIPTION:** HEAT SINK

FEATURES

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



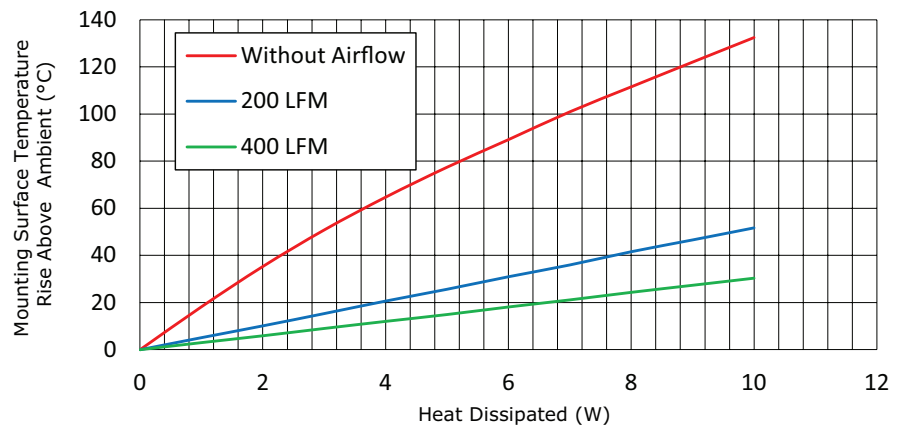
MODEL

| | thermal resistance ¹ | | | | power dissipation ¹ @ 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] | |
| 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 (ΔT = 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 |

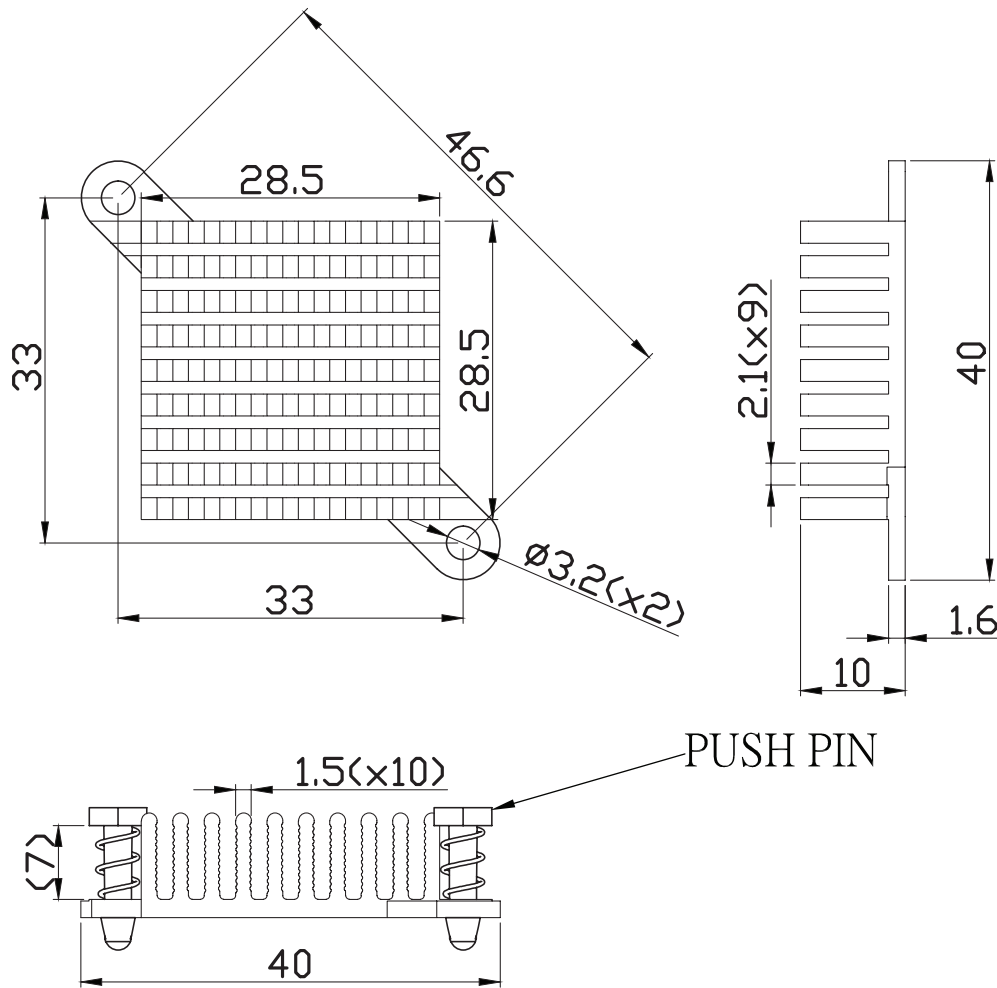


T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature

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

| 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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