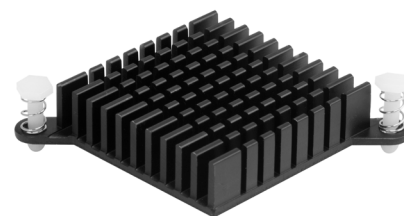


**MODEL:** HSB30-373710 | **DESCRIPTION:** HEAT SINK**FEATURES**

- BGA design
- low profile
- aluminum alloy

**MODEL**

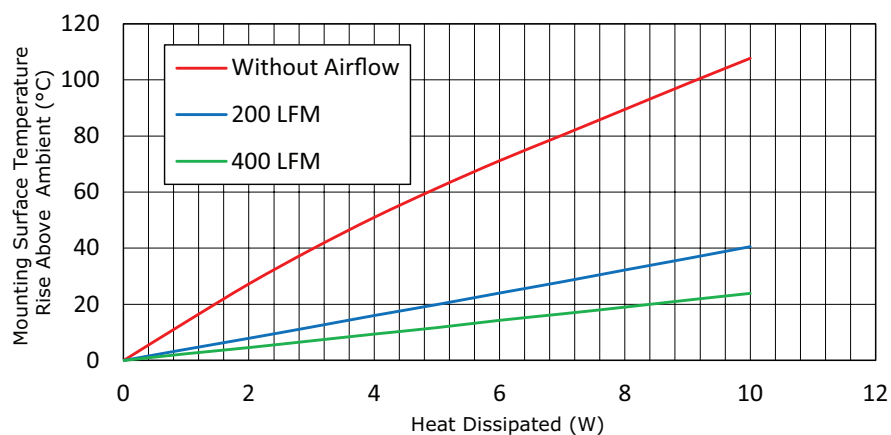
|              | thermal resistance <sup>1</sup> |                        |                       |                       | power dissipation <sup>1</sup><br>@ 75°C ΔT, nat conv [W] |
|--------------|---------------------------------|------------------------|-----------------------|-----------------------|-----------------------------------------------------------|
|              | @ 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] |                                                           |
| HSB30-373710 | 11.63                           | 13.8                   | 4.0                   | 2.4                   | 6.45                                                      |

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         | 13.8                                                                                  | 4.0     | 2.4     |
| 2         | 27.3                                                                                  | 7.9     | 4.6     |
| 3         | 39.6                                                                                  | 11.9    | 7.0     |
| 4         | 51.0                                                                                  | 16.0    | 9.4     |
| 5         | 61.4                                                                                  | 19.9    | 11.7    |
| 6         | 71.2                                                                                  | 24.0    | 14.3    |
| 7         | 80.3                                                                                  | 28.0    | 16.6    |
| 8         | 89.5                                                                                  | 32.2    | 19.0    |
| 9         | 98.7                                                                                  | 36.3    | 21.5    |
| 10        | 107.7                                                                                 | 40.5    | 23.9    |

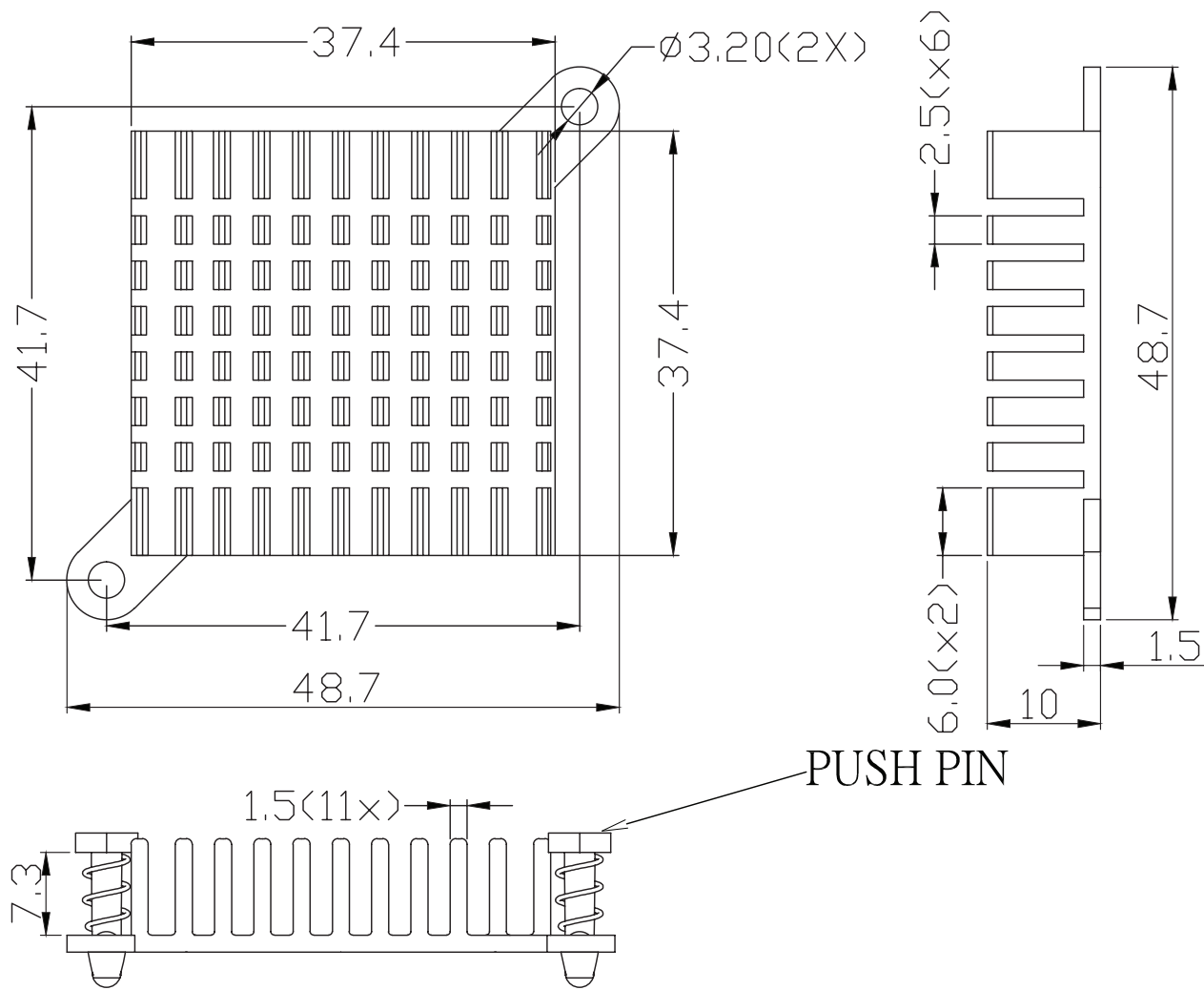
T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature



MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

|          |                             |
|----------|-----------------------------|
| MATERIAL | AL 6063-T5                  |
| FINISH   | black anodized              |
| PUSH PIN | PA66                        |
| SPRING   | spring steel, nickel plated |
| WEIGHT   | 20.8 g                      |



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 04/22/2022 |
| 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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