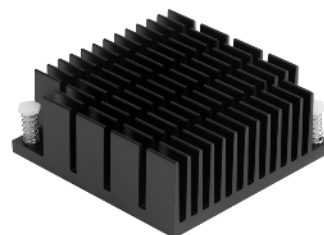




MODEL: HSB28-606022 | **DESCRIPTION:** HEAT SINK

FEATURES

- BGA design
- top mount
- aluminum alloy



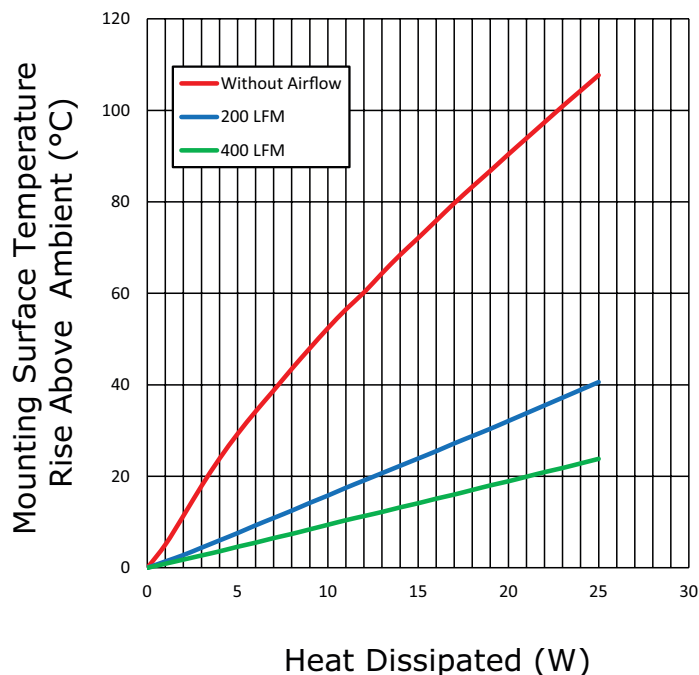
MODEL

| | 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] | |
| HSB28-606022 | 4.74 | 5.1 | 1.4 | 0.9 | 15.83 |

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 | 5.1 | 1.4 | 0.9 |
| 3 | 17.9 | 4.4 | 2.7 |
| 5 | 29.3 | 7.6 | 4.6 |
| 7 | 38.8 | 10.9 | 6.5 |
| 9 | 48.0 | 14.2 | 8.4 |
| 11 | 56.5 | 17.5 | 10.4 |
| 13 | 64.4 | 20.7 | 12.2 |
| 15 | 72.1 | 23.9 | 14.1 |
| 17 | 79.7 | 27.2 | 16.0 |
| 19 | 86.8 | 30.4 | 18.0 |
| 21 | 93.9 | 33.8 | 19.9 |
| 23 | 100.9 | 37.2 | 21.8 |
| 25 | 107.7 | 40.6 | 23.8 |

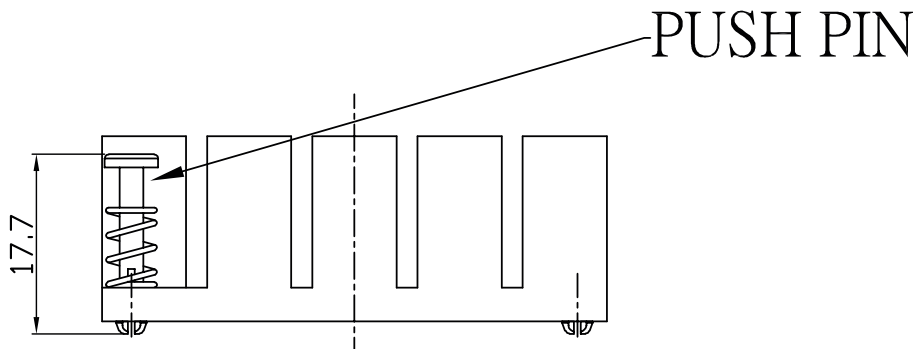
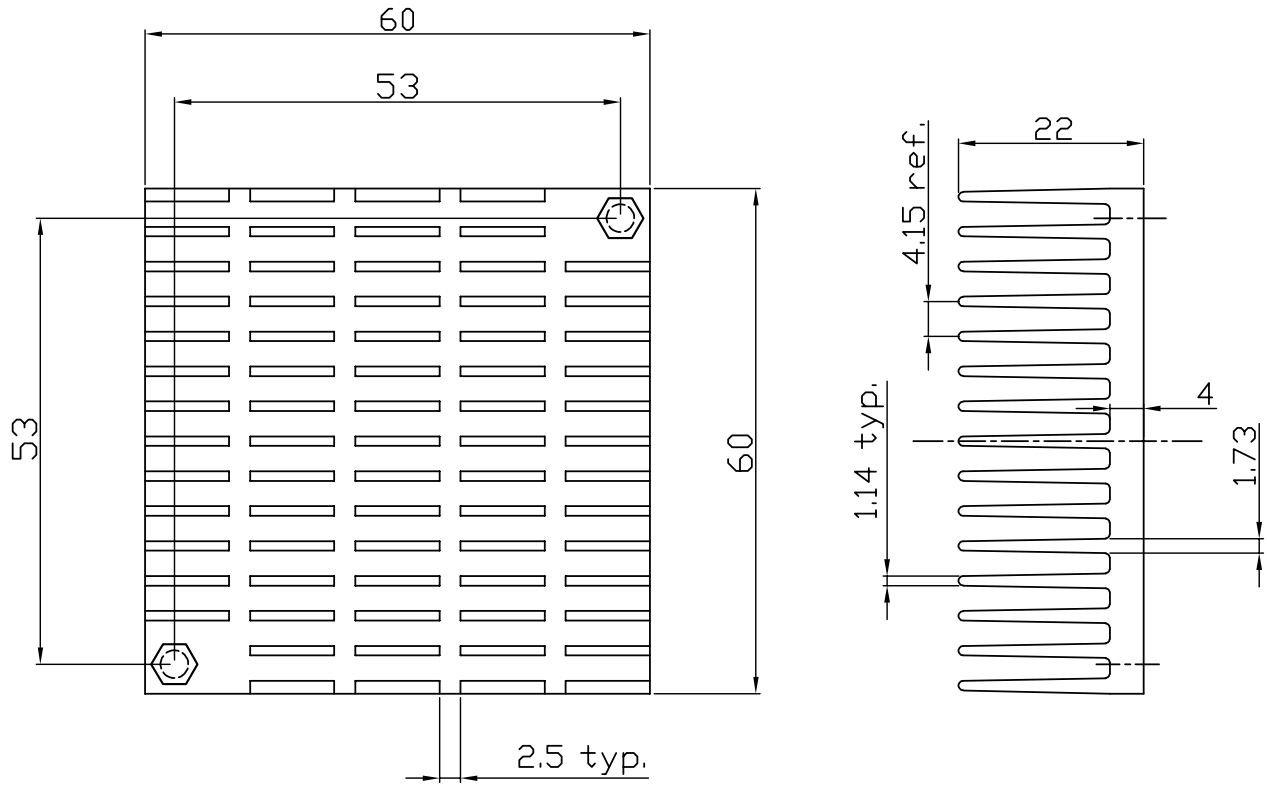


T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

| | |
|----------|-----------------------------|
| MATERIAL | AL 6063-T5 |
| FINISH | black anodized |
| PUSH PIN | PA66 |
| SPRING | spring steel, nickel plated |
| WEIGHT | 106.5 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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