

MODEL: HSB38-707025P | **DESCRIPTION:** HEAT SINK

FEATURES

- BGA design
- push pins
- aluminum alloy
- black anodized finish



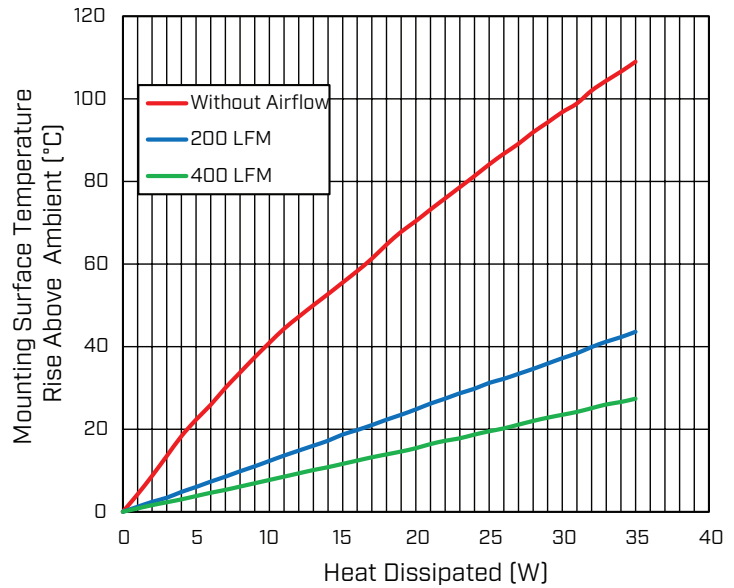
MODEL

| | 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] | |
| HSB38-707025P | 3.45 | 4.2 | 1.2 | 0.8 | 21.74 |

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 | 4.2 | 1.2 | 0.8 |
| 2 | 8.7 | 2.4 | 1.6 |
| 3 | 13.5 | 3.4 | 2.3 |
| 4 | 18.3 | 4.8 | 3.0 |
| 5 | 22.3 | 6.0 | 3.8 |
| 6 | 25.9 | 7.3 | 4.6 |
| 7 | 30.0 | 8.5 | 5.3 |
| 8 | 33.7 | 9.8 | 6.1 |
| 9 | 37.4 | 11.0 | 6.9 |
| 10 | 40.9 | 12.3 | 7.7 |
| 11 | 44.3 | 13.6 | 8.5 |
| 12 | 47.2 | 14.8 | 9.3 |
| 13 | 50.0 | 16.0 | 10.1 |
| 14 | 52.7 | 17.2 | 10.8 |
| 15 | 55.5 | 18.7 | 11.6 |
| 16 | 58.3 | 19.8 | 12.4 |
| 17 | 61.3 | 21.0 | 13.2 |
| 18 | 64.7 | 22.3 | 13.9 |
| 19 | 67.8 | 23.5 | 14.6 |
| 20 | 70.4 | 24.8 | 15.4 |
| 21 | 73.2 | 26.2 | 16.4 |
| 22 | 75.9 | 27.4 | 17.2 |
| 23 | 78.6 | 28.7 | 17.8 |
| 24 | 81.3 | 29.8 | 18.7 |
| 25 | 84.1 | 31.2 | 19.5 |
| 26 | 86.7 | 32.2 | 20.2 |
| 27 | 89.1 | 33.4 | 21.1 |
| 28 | 91.9 | 34.6 | 22.0 |
| 29 | 94.3 | 35.9 | 22.8 |
| 30 | 96.8 | 37.2 | 23.5 |
| 31 | 98.9 | 38.4 | 24.2 |
| 32 | 102.0 | 39.9 | 25.1 |
| 33 | 104.4 | 41.2 | 26.0 |
| 34 | 106.6 | 42.3 | 26.6 |
| 35 | 109.0 | 43.6 | 27.4 |

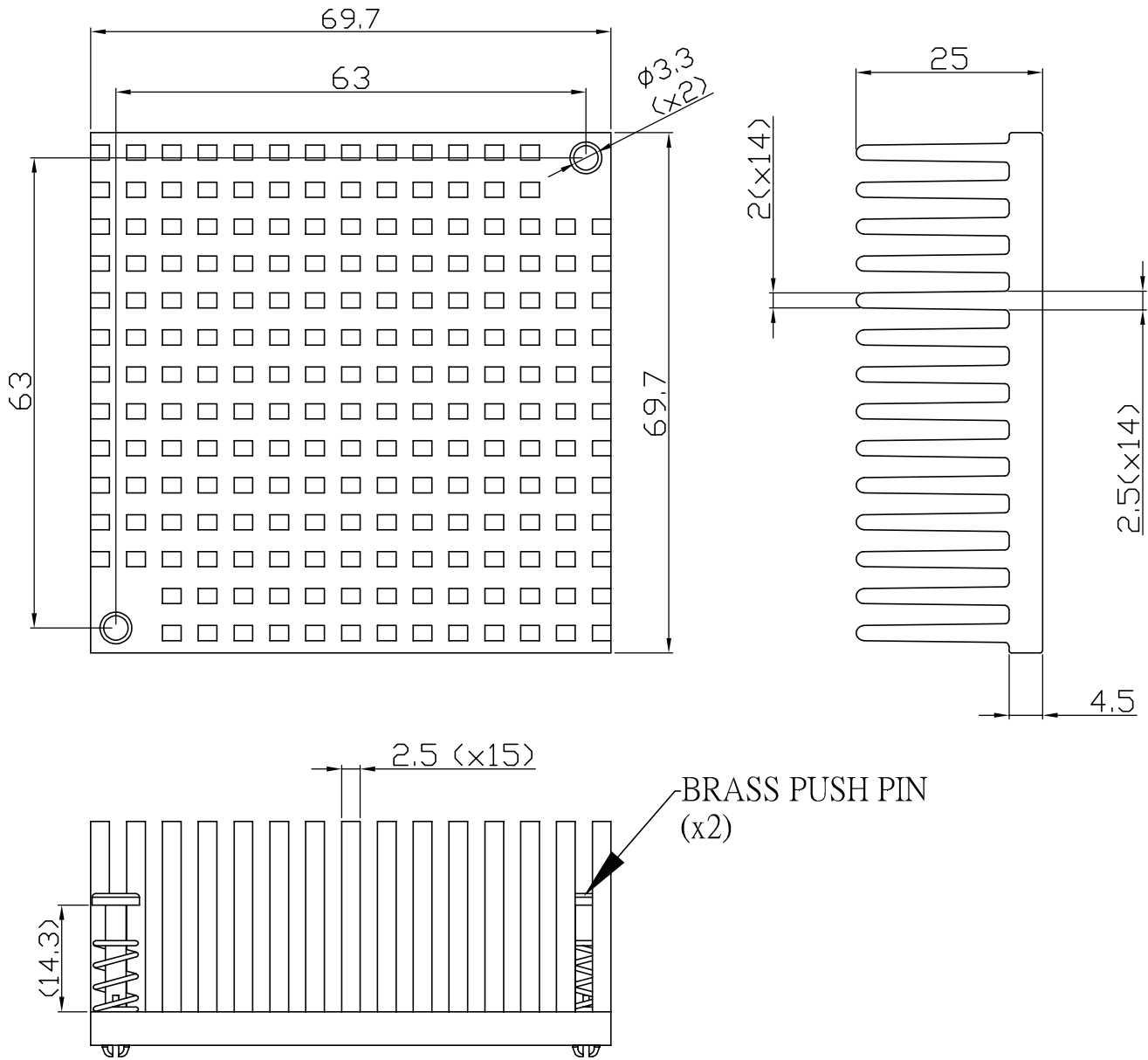


T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.50 mm

| | |
|----------|---------------------------|
| MATERIAL | AL 6063-T5 |
| FINISH | black anodized |
| PUSH PIN | brass |
| SPRING | spring steel, zinc plated |
| WEIGHT | 119 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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