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# MODEL: HSS08-B18-CP | DESCRIPTION: HEAT SINK

## FEATURES

- TO-218 package
- clip on
- aluminum alloy
- black anodized finish



DISCONTINUED

RoHS

## MODEL

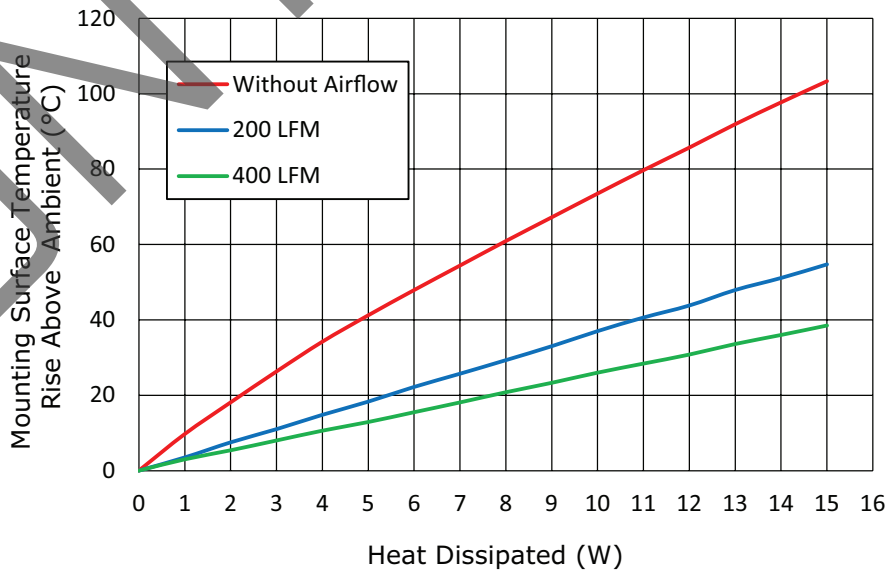
| | thermal resistance[1] | | | | power dissipation[1] |
|---|---|---|---|---|---|
| | @ 75°C ΔT, nat conv [°C/W] | @ 1 W, nat conv [°C/W] | @ 1 W, 200 LFM [°C/W] | @ 1 W, 400 LFM [°C/W] | @ 75°C ΔT, nat conv [W] |
| HSS08-B18-CP | 7.29 | 9.7 | 3.5 | 3.0 | 10.29 |

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

## PERFORMANCE CURVES

| | Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) [°C] | | |
|---|---|---|---|
| Power [W] | Natural Conv. | 200 LFM | 400 LFM |
| 0 | 0 | 0 | 0 |
| 1 | 9.7 | 3.5 | 3.0 |
| 2 | 18.1 | 7.5 | 5.4 |
| 3 | 26.3 | 11.0 | 8.0 |
| 4 | 34.2 | 14.8 | 10.6 |
| 5 | 41.2 | 18.3 | 12.9 |
| 6 | 47.9 | 22.2 | 15.5 |
| 7 | 54.4 | 25.7 | 18.1 |
| 8 | 60.9 | 29.3 | 20.8 |
| 9 | 67.2 | 33.0 | 23.3 |
| 10 | 73.5 | 37.0 | 26.0 |
| 11 | 79.7 | 40.6 | 28.4 |
| 12 | 85.7 | 43.8 | 30.8 |
| 13 | 91.9 | 47.9 | 33.6 |
| 14 | 97.7 | 51.1 | 36.0 |
| 15 | 103.3 | 54.7 | 38.5 |

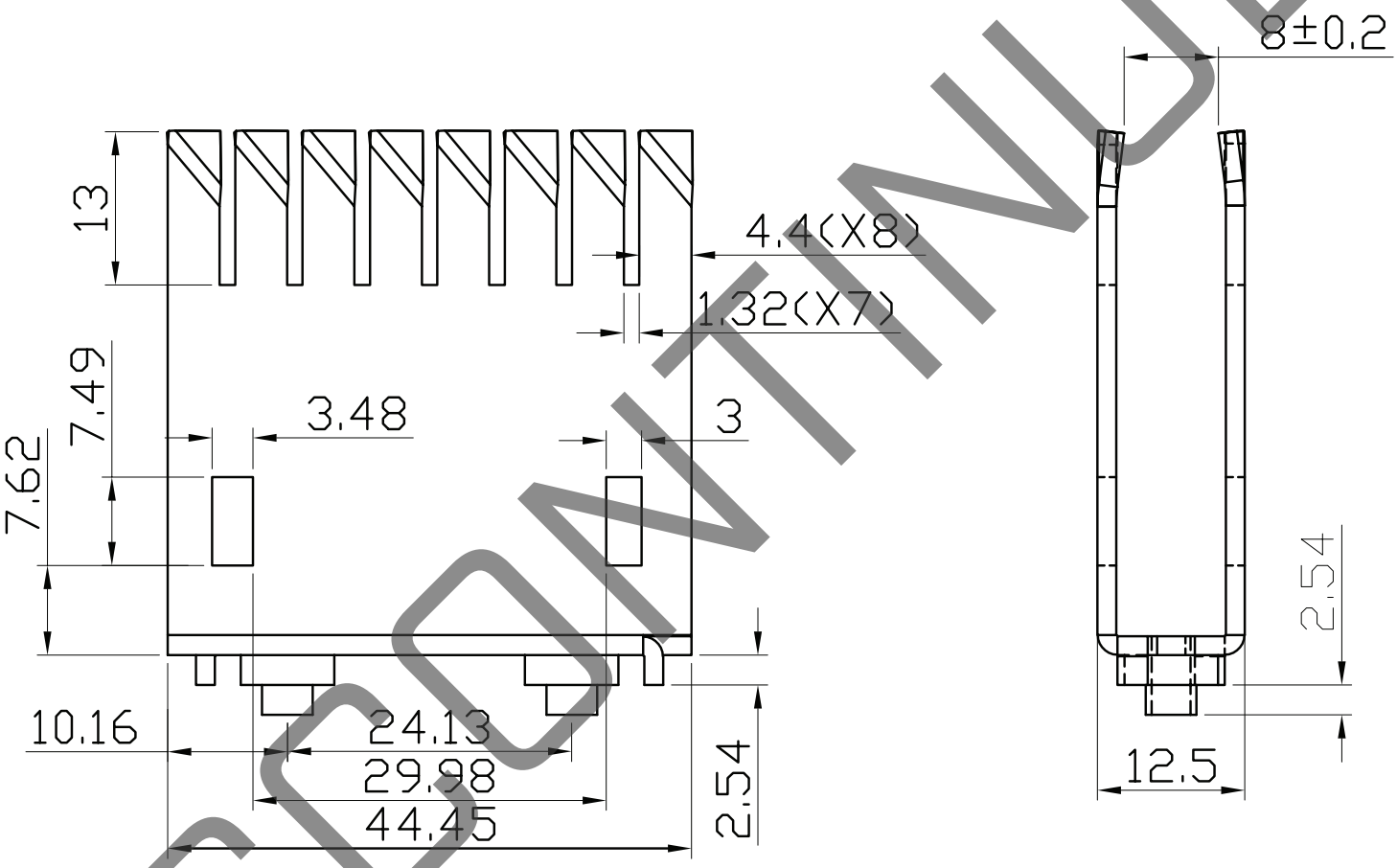
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



## MECHANICAL DRAWING

units: mm
tolerance: ±0.38 mm

| | |
|---|---|
| MATERIAL | AL 1050 |
| FINISH | black anodized |
| THICKNESS | 1.6 mm |
| PIN MATERIAL | brass |
| PIN PLATING | 2~3 um tin |
| WEIGHT | 19.0 g |




DISCONTINUED

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 06/28/2021 |
| 1.01 | logo, datasheet style update | 08/05/2022 |
| 1.02 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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

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

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