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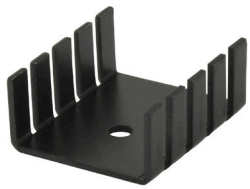
# SERIES: HSS-B20-NPX-01 | DESCRIPTION: HEAT SINK

## FEATURES

- TO-220 package
- round or slot hole attachment options
- black andoized finish
- aluminum



RoHS

## MODEL

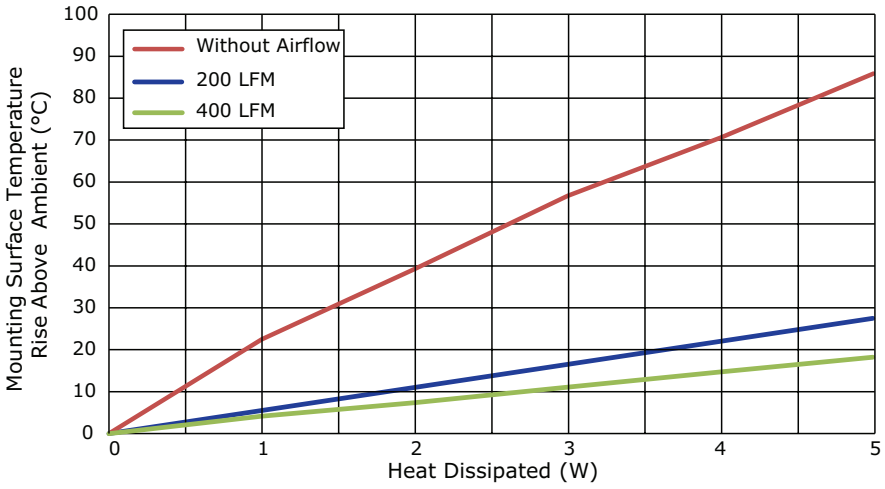
| | mounting hole | | thermal resistance[1] | | | | power dissipation[1] |
|---|---|---|---|---|---|---|---|
| | type | size (mm) | @ 75°C ΔT, nat conv (°C/W) | @ 1 W, nat conv (°C/W) | @ 1 W, 200 LFM (°C/W) | @ 1 W, 400 LFM (°C/W) | @ 75°C ΔT, nat conv (W) |
| HSS-B20-NPR-01 | round | Ø3.81 | 17.74 | 22.47 | 5.88 | 4.17 | 4.23 |
| HSS-B20-NPS-01 | slot | 3.9 x 9.52 | 17.74 | 22.47 | 5.88 | 4.17 | 4.23 |

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 | 22.47 | 5.88 | 4.17 |
| 2 | 39.28 | 11.26 | 7.41 |
| 3 | 56.71 | 16.66 | 11.08 |
| 4 | 70.54 | 21.77 | 14.72 |
| 5 | 85.88 | 27.51 | 18.27 |

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

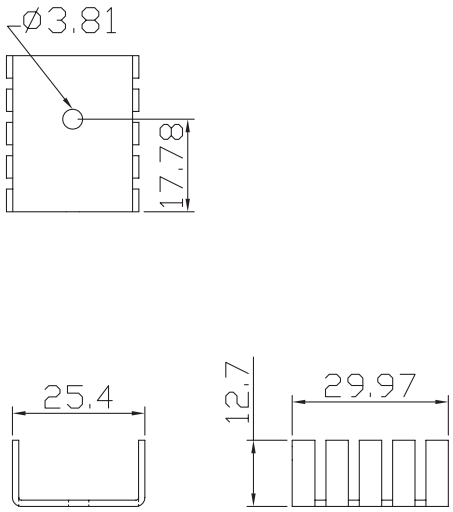


## MECHANICAL DRAWING

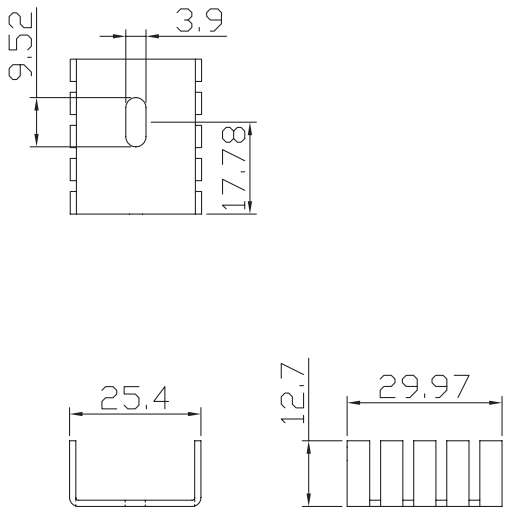
units: mm
tolerance: ±0.5 mm

| | |
|---|---|
| MATERIAL | AL1050 |
| FINISH | black anodized |
| THICKNESS | 1.2 mm |
| WEIGHT | HSS-B20-NPR-01: 4.3 g<br>HSS-B20-NPS-01: 4.3 g |

### HSS-B20-NPR-01




### HSS-B20-NPS-01



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 03/30/2017 |
| 1.01 | brand update | 02/13/2020 |
| 1.02 | logo, datasheet style update | 08/05/2022 |
| 1.03 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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

same sky

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