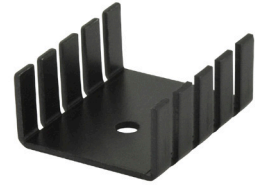


SERIES: HSS-B20-NPX-01 | **DESCRIPTION:** HEAT SINK

FEATURES

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


MODEL

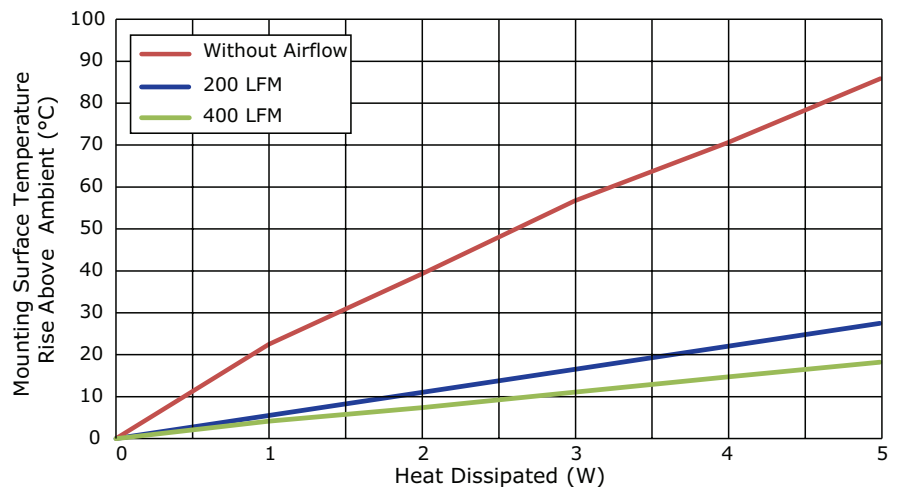
| | mounting hole | | thermal resistance ¹ | | | | power dissipation ¹ |
|----------------|---------------|--------------|----------------------------------|------------------------------|-----------------------------|-----------------------------|--------------------------------|
| | type | size (mm) | @ 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

| Power (W) | Heatsink Temperature Rise Above Ambient (ΔT = T _{hs} - T _a) (°C) | | |
|--------------|---|---------|---------|
| | 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 |

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

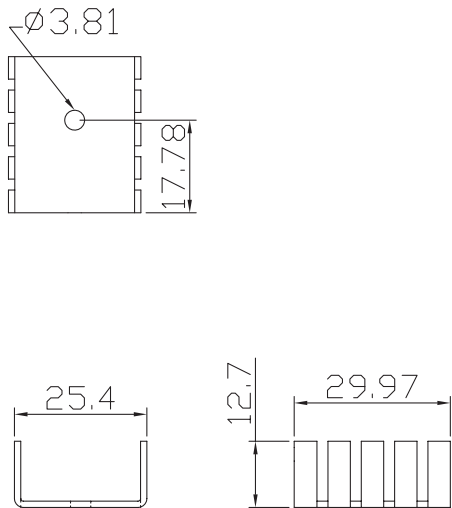


MECHANICAL DRAWING

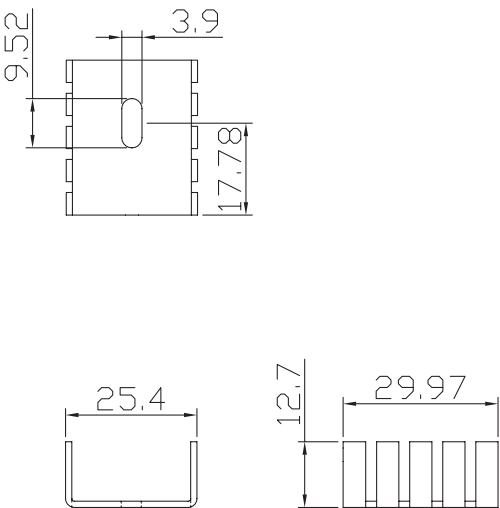
units: mm
tolerance: ±0.5 mm

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

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



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

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