CUI DEVICES



## **MODEL:** HSS-B20-0452H | **DESCRIPTION:** HEAT SINK

### FEATURES
- TO-220 package
- shur-lock tabs
- black anodized finish
- aluminum

RoHS

### MODEL

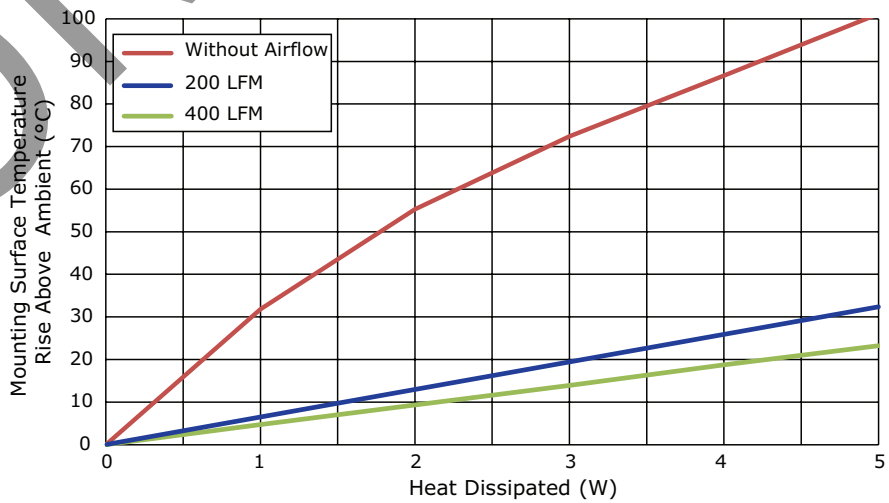
| MODEL | thermal resistance[1] @ 75°C ΔT, nat conv (°C/W) | @ 1 W, nat conv (°C/W) | @ 1 W, 200 LFM (°C/W) | @ 1 W, 400 LFM (°C/W) | power dissipation[1] @ 75°C ΔT, nat conv (W) |
|---|---|---|---|---|---|
| HSS-B20-0452H | 23.81 | 31.83 | 6.40 | 4.74 | 3.15 |

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 | 31.83 | 6.40 | 4.74 |
| 2 | 55.26 | 12.91 | 9.31 |
| 3 | 72.42 | 19.27 | 13.93 |
| 4 | 86.68 | 25.77 | 18.75 |
| 5 | 101.18 | 32.39 | 23.22 |

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

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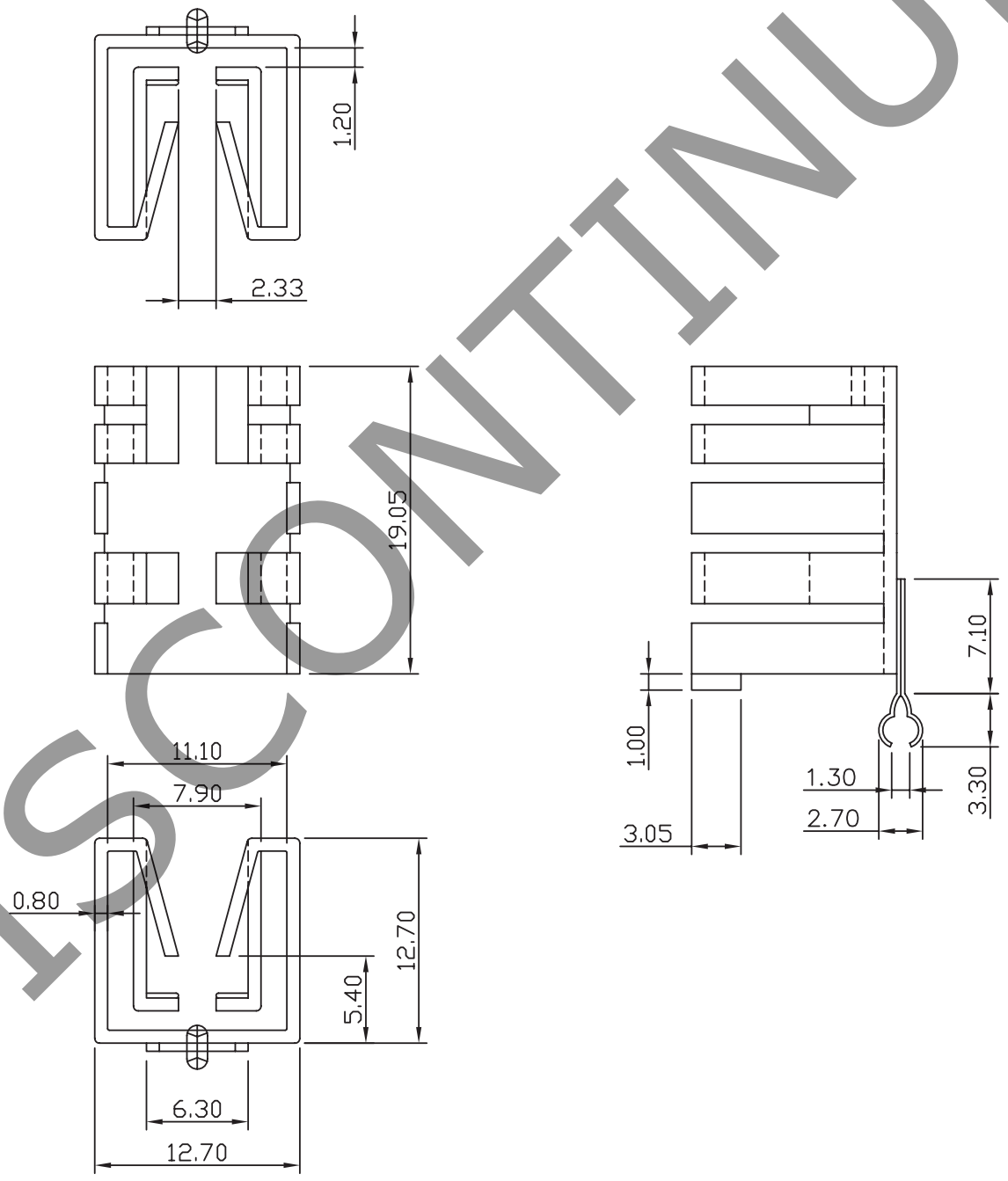
## MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

| | |
|---|---|
| MATERIAL | AL5052 |
| FINISH | black anodized |
| THICKNESS | 0.8 mm |
| PIN MATERIAL | phosphor copper |
| PIN PLATING | tin |
| WEIGHT | 2.0 g |

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## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 03/30/2017 |
| 1.01 | brand update | 02/12/2020 |

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

DISCONTINUED



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

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