CUI DEVICES



# MODEL: HSS-B20-053H-01 | DESCRIPTION: HEAT SINK

## FEATURES

- TO-220 package
- round hole for component attachment
- solder pins for secure PCB mounting
- black anodized finish



RoHS

## MODEL

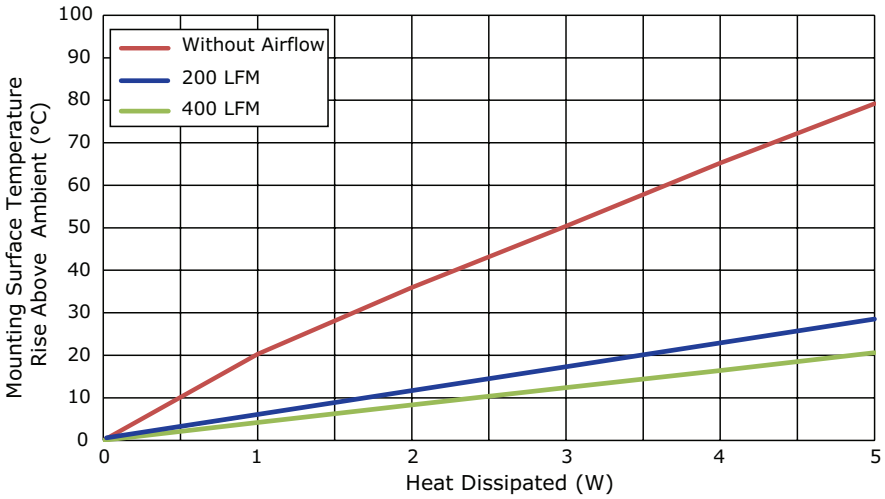
| MODEL | thermal resistance[1] | | | | power dissipation[1] |
|---|---|---|---|---|---|
| | @ 75°C ΔT, nat conv (°C/W) | @ 1 W, nat conv (°C/W) | @ 1 W, 200 LFM (°C/W) | @ 1 W, 400 LFM (°C/W) | @ 75°C ΔT, nat conv (W) |
| HSS-B20-053H-01 | 15.79 | 20.27 | 5.83 | 4.22 | 4.75 |

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 | 20.27 | 5.83 | 4.22 |
| 2 | 35.97 | 11.51 | 8.34 |
| 3 | 50.37 | 17.06 | 12.42 |
| 4 | 65.25 | 22.79 | 16.41 |
| 5 | 79.19 | 28.53 | 20.60 |

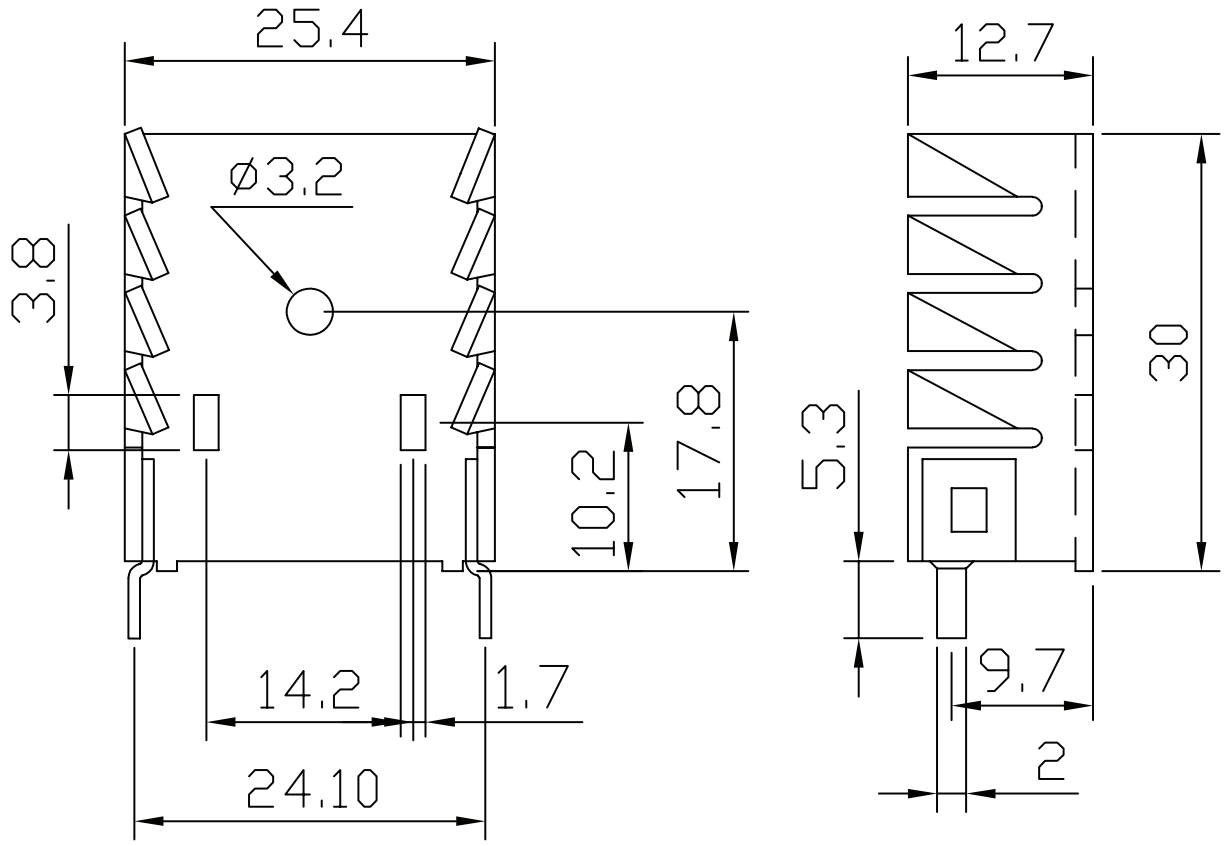
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



## MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

| | |
|---|---|
| MATERIAL | AL1050 |
| FINISH | black anodized |
| THICKNESS | 1.2 mm |
| PIN MATERIAL | brass |
| PIN PLATING | tin |
| WEIGHT | 5.0 g |



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 03/31/2017 |
| 1.01 | brand update | 02/12/2020 |
| 1.02 | updated drawing | 04/18/2022 |

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

CUI DEVICES

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