CUDEVICES



# **MODEL:** HSS-B20-085H | **DESCRIPTION:** HEAT SINK

## FEATURES

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

RoHS

## MODEL

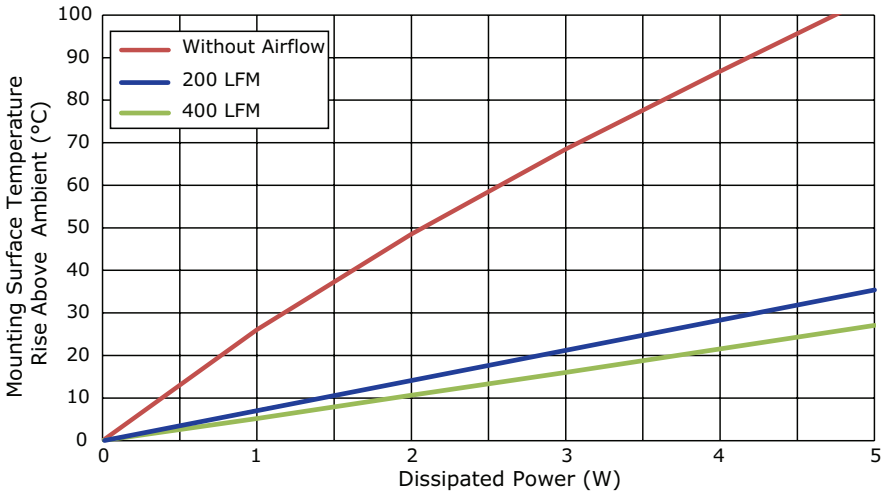
| | thermal resistance[1] | | | | power dissipation[1] |
|---|---|---|---|---|---|
| | **@ 75°C ΔT, nat conv** (°C/W) | **@ 1 W, nat conv** (°C/W) | **@ 1 W, 200 LFM** (°C/W) | **@ 1 W, 400 LFM** (°C/W) | **@ 75°C ΔT, nat conv** (W) |
| HSS-B20-085H | 22.06 | 26.05 | 7.46 | 5.20 | 3.40 |

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 | 26.05 | 7.46 | 5.20 |
| 2 | 48.51 | 14.24 | 10.69 |
| 3 | 68.48 | 21.48 | 16.04 |
| 4 | 86.75 | 28.25 | 21.52 |
| 5 | 104.54 | 35.39 | 27.11 |

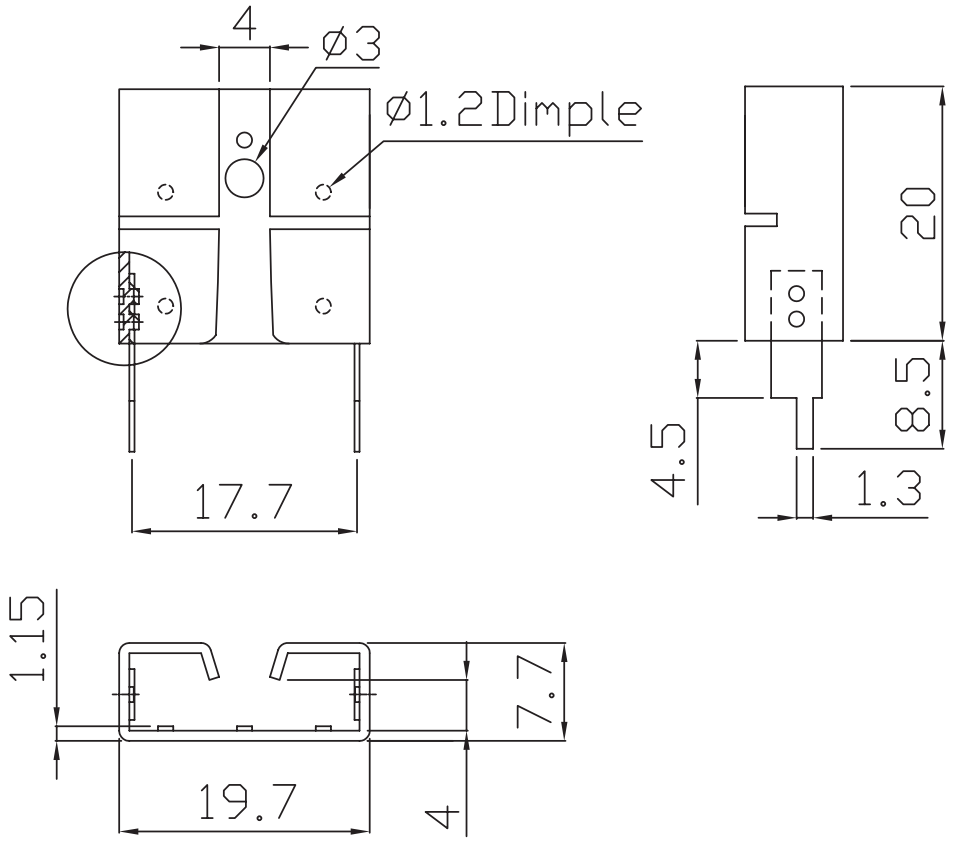
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



## MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

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



## 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 |

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

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