

**MODEL:** HSS-B20-NP-13 | **DESCRIPTION:** HEAT SINK

**FEATURES**

- TO-220 package
- round hole for component attachment
- low profile design
- black anodized finish



**MODEL**

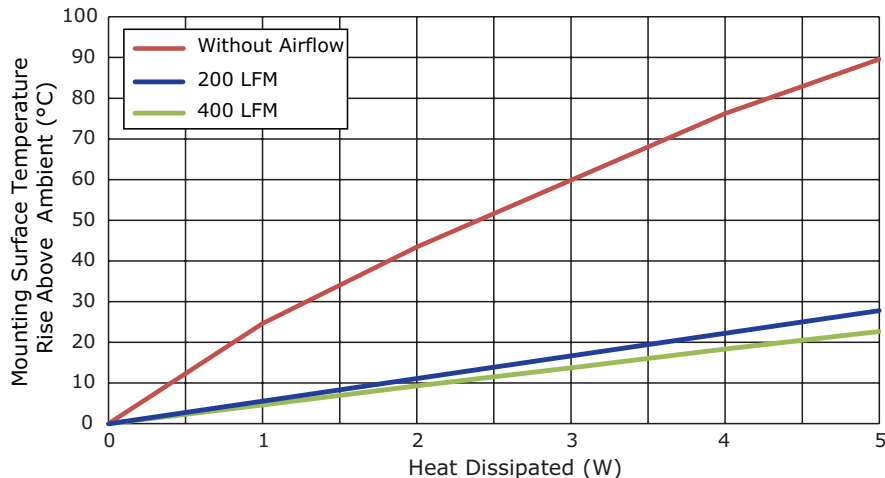
|               | thermal resistance <sup>1</sup> |                        |                       | power dissipation <sup>1</sup><br>@ 75°C ΔT, nat conv [W] |
|---------------|---------------------------------|------------------------|-----------------------|---|
|               | @ 75°C ΔT, nat conv [°C/W]      | @ 1 W, nat conv [°C/W] | @ 1 W, 200 LFM [°C/W] |   |
| HSS-B20-NP-13 | 19.22                           | 24.62                  | 5.88                  | 3.90  |

Note: 1. See performance curves for full thermal resistance details.

**PERFORMANCE CURVES**

| Power (W) | Heatsink Temperature Rise Above Ambient (ΔT = T <sub>hs</sub> - T <sub>a</sub> ) [°C] |         |         |
|-----------|---|---------|---------|
|           | Natural Conv.   | 200 LFM | 400 LFM |
| 0         | 0   | 0       | 0       |
| 1         | 24.62   | 5.88    | 4.58    |
| 2         | 43.44   | 11.42   | 9.32    |
| 3         | 59.88   | 17.13   | 13.74   |
| 4         | 76.23   | 22.27   | 18.34   |
| 5         | 89.60   | 27.80   | 22.64   |

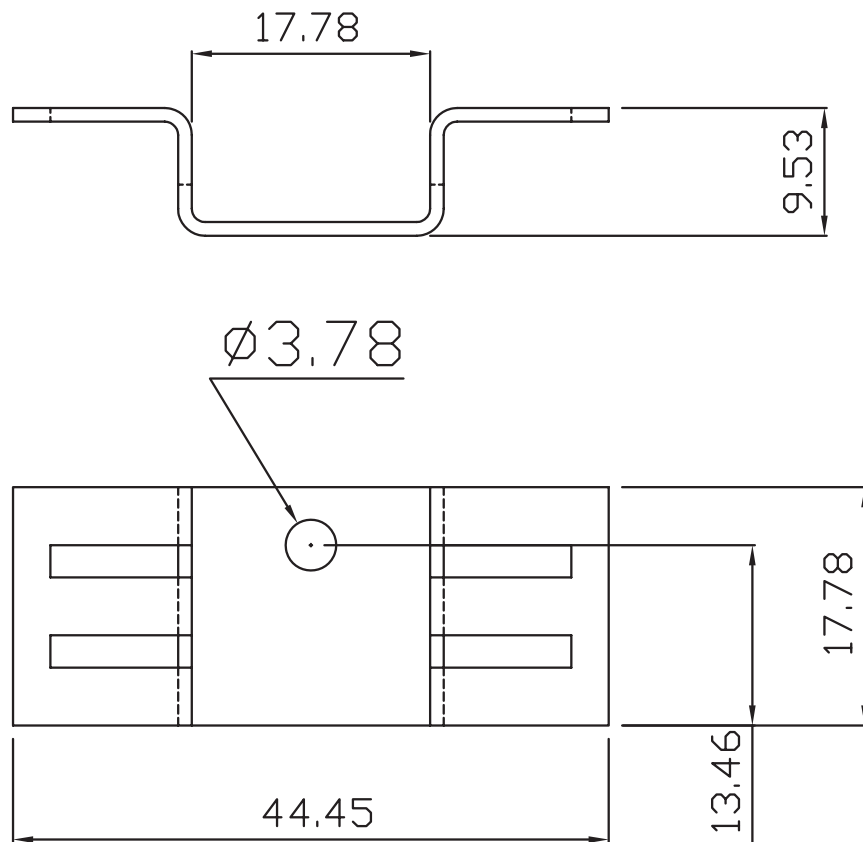
T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature



## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

|           |                |
|-----------|----------------|
| MATERIAL  | AL1050         |
| FINISH    | black anodized |
| THICKNESS | 0.8 mm         |
| WEIGHT    | 3.0 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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