

**MODEL:** HSS20-B20-NP | **DESCRIPTION:** HEAT SINK

**FEATURES**

- TO-220 or TO-218 package
- bolt on attachment
- aluminum alloy



**MODEL**

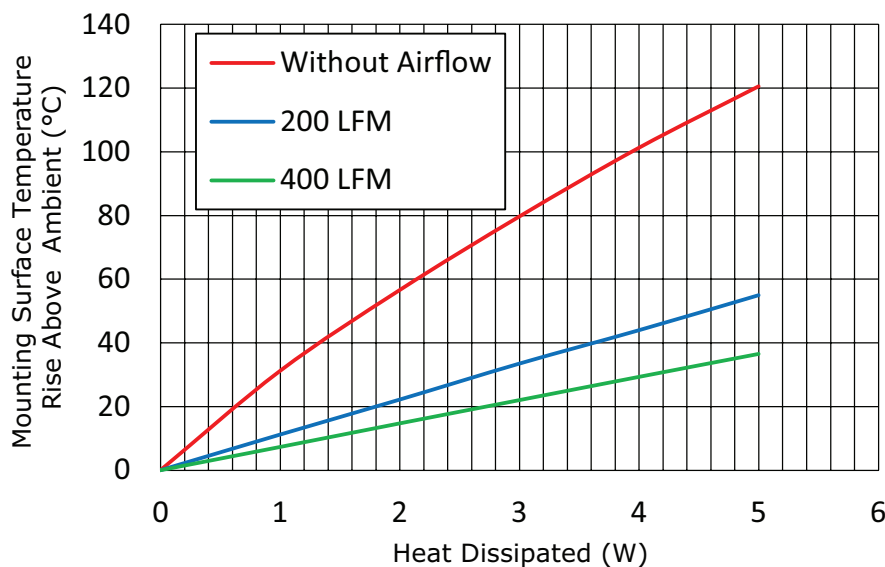
|              | thermal resistance <sup>1</sup> |                        |                       |                       | power dissipation <sup>1</sup><br>@ 75°C ΔT, nat conv [W] |
|--------------|---------------------------------|------------------------|-----------------------|-----------------------|---|
|              | @ 75°C ΔT, nat conv [°C/W]      | @ 1 W, nat conv [°C/W] | @ 1 W, 200 LFM [°C/W] | @ 1 W, 400 LFM [°C/W] |   |
| HSS20-B20-NP | 26.40                           | 31.2                   | 11.2                  | 7.3                   | 2.84  |

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         | 31.2  | 11.2    | 7.3     |
| 2         | 56.6  | 22.2    | 14.7    |
| 3         | 79.7  | 33.5    | 22.0    |
| 4         | 101.3   | 44.0    | 29.3    |
| 5         | 120.6   | 55.0    | 36.5    |

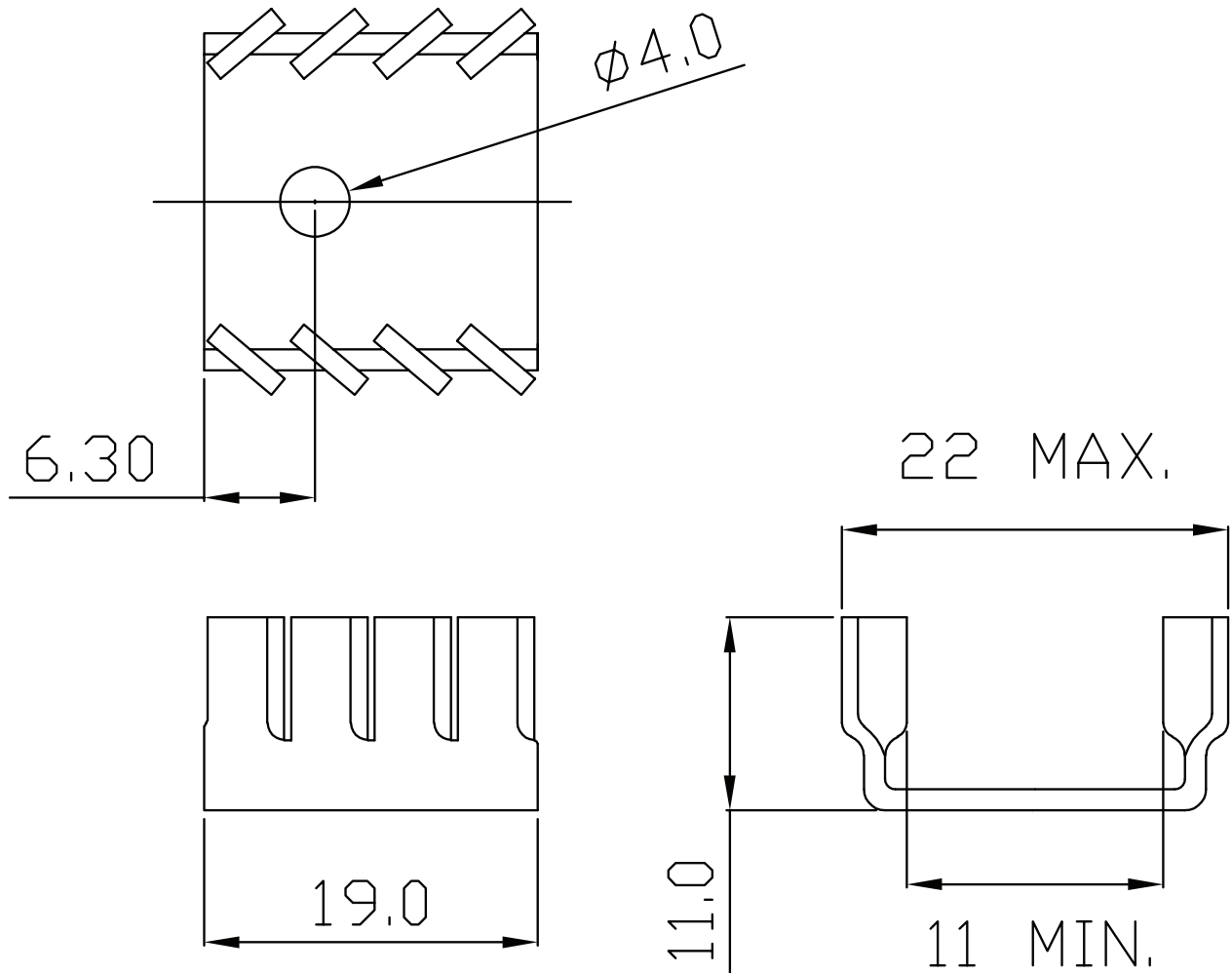
T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature



## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

|           |                |
|-----------|----------------|
| MATERIAL  | AL 1050        |
| FINISH    | black anodized |
| THICKNESS | 1.5 mm         |
| WEIGHT    | 2.9 g          |



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 04/18/2022 |
| 1.01 | 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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