

**MODEL:** HSS-B20-043H-01 | **DESCRIPTION:** HEAT SINK**FEATURES**

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

**MODEL**

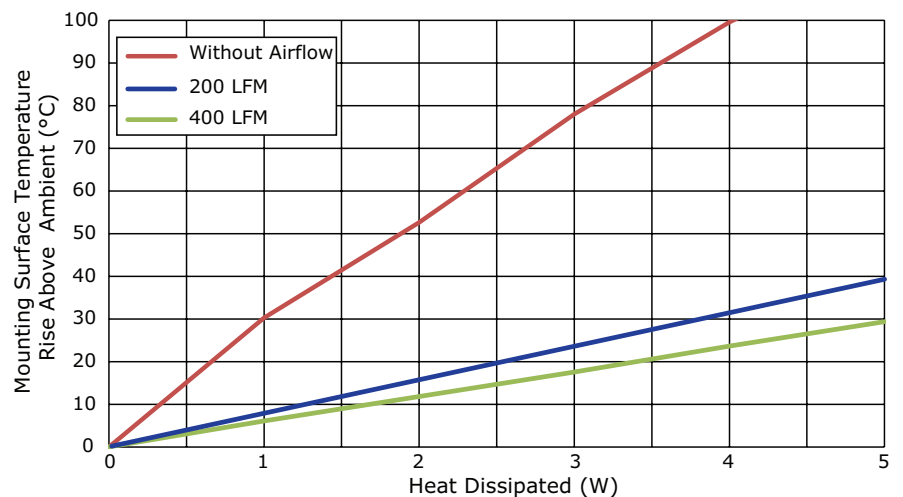
|                 | thermal resistance <sup>1</sup> |                        |                       |                       | power dissipation <sup>1</sup><br>@ 75°C ΔT, nat conv [W] |
|-----------------|---------------------------------|------------------------|-----------------------|-----------------------|-----------------------------------------------------------|
|                 | @ 75°C ΔT, nat conv [°C/W]      | @ 1 W, nat conv [°C/W] | @ 1 W, 200 LFM [°C/W] | @ 1 W, 400 LFM [°C/W] |                                                           |
| HSS-B20-043H-01 | 26.13                           | 30.28                  | 8.18                  | 6.09                  | 2.87                                                      |

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         | 30.28                                                                                 | 8.18    | 6.09    |
| 2         | 52.63                                                                                 | 15.67   | 11.80   |
| 3         | 78.03                                                                                 | 23.66   | 17.53   |
| 4         | 99.60                                                                                 | 31.62   | 23.64   |
| 5         | 117.50                                                                                | 39.31   | 29.36   |

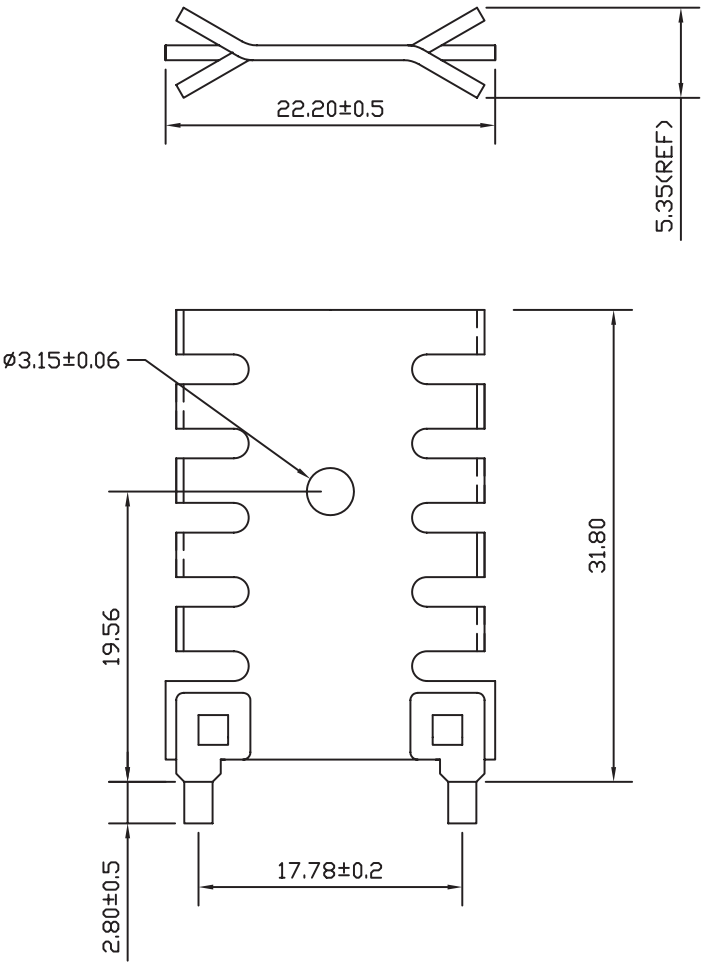
T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature



MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

|              |                |
|--------------|----------------|
| MATERIAL     | AL1100         |
| FINISH       | black anodized |
| THICKNESS    | 1.0 mm         |
| PIN MATERIAL | brass          |
| PIN PLATING  | tin            |
| WEIGHT       | 1.8 g          |



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 03/31/2017 |
| 1.01 | brand update                 | 02/12/2020 |
| 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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