

**MODEL:** HSS25-B20-P51 | **DESCRIPTION:** HEAT SINK**FEATURES**

- TO-220 or TO-218 package
- solder pin
- aluminum alloy

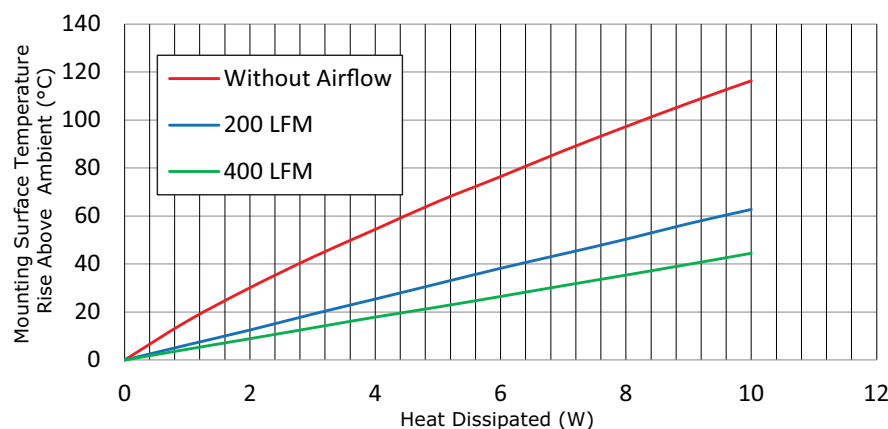
**MODEL**

| HSS25-B20-P51 | thermal resistance <sup>1</sup> |                        |                       |                       | power dissipation <sup>1</sup> |
|---------------|---------------------------------|------------------------|-----------------------|-----------------------|--------------------------------|
|               | @ 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]        |
| HSS25-B20-P51 | 12.75                           | 16.2                   | 6.3                   | 4.5                   | 5.88                           |

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         | 16.2  | 6.3     | 4.5     |
| 2         | 30.1  | 12.5    | 8.9     |
| 3         | 42.8  | 19.1    | 13.4    |
| 4         | 54.4  | 25.4    | 17.9    |
| 5         | 66.0  | 31.8    | 22.1    |
| 6         | 76.4  | 38.2    | 26.5    |
| 7         | 87.1  | 44.2    | 31.0    |
| 8         | 97.2  | 50.3    | 35.4    |
| 9         | 107.0   | 56.8    | 39.9    |
| 10        | 116.3   | 62.7    | 44.5    |

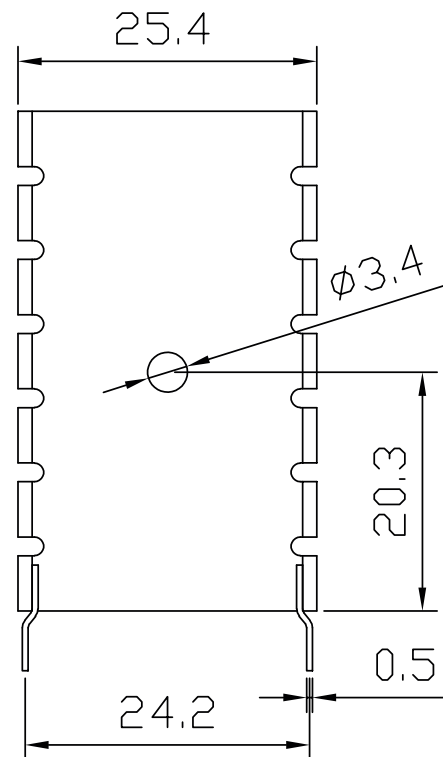
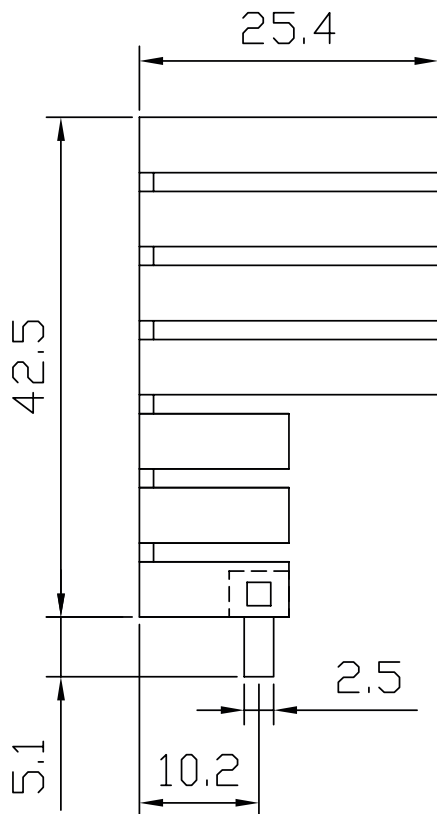


T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature

## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

|              |                |
|--------------|----------------|
| MATERIAL     | AL 1050        |
| FINISH       | black anodized |
| THICKNESS    | 1.2 mm         |
| PIN MATERIAL | brass          |
| PIN PLATING  | tin            |
| WEIGHT       | 9.3 g          |



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 04/20/2022 |
| 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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