

MODEL: HSS-B20-0508H-01 | **DESCRIPTION:** HEAT SINK

FEATURES

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



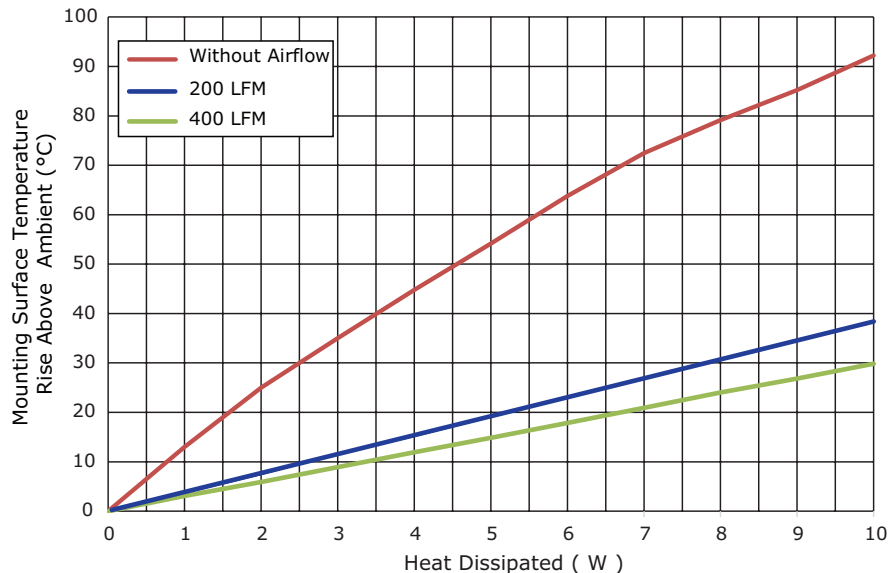
MODEL

| | thermal resistance ¹ | | | | power dissipation ¹ @ 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-B20-0508H-01 | 10.14 | 12.99 | 3.51 | 3.10 | 7.40 |

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

PERFORMANCE CURVES

| Power (W) | Heatsink Temperature Rise Above Ambient (ΔT = T _{hs} - T _a) [°C] | | |
|-----------|---|---------|---------|
| | Natural Conv. | 200 LFM | 400 LFM |
| 0 | 0 | 0 | 0 |
| 1 | 12.99 | 3.51 | 3.10 |
| 2 | 24.98 | 7.29 | 5.90 |
| 3 | 35.01 | 11.39 | 8.91 |
| 4 | 44.78 | 15.00 | 11.93 |
| 5 | 54.16 | 18.87 | 14.84 |
| 6 | 63.78 | 22.93 | 17.86 |
| 7 | 72.49 | 26.77 | 20.92 |
| 8 | 79.12 | 30.54 | 24.03 |
| 9 | 85.23 | 34.46 | 26.83 |
| 10 | 92.25 | 38.38 | 29.87 |

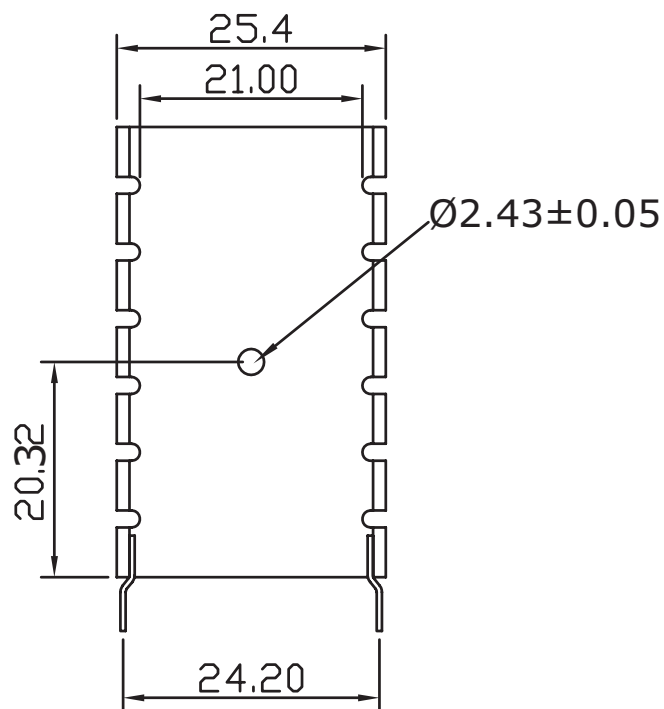
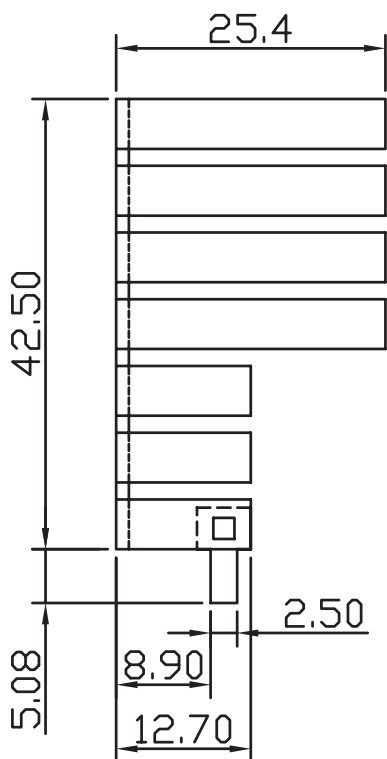


T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

| | |
|--------------|----------------|
| MATERIAL | AL1100 |
| FINISH | black anodized |
| THICKNESS | 1.2 mm |
| PIN MATERIAL | brass |
| PIN PLATING | tin |
| WEIGHT | 7.8 g |



REVISION HISTORY

| rev. | description | date |
|------|------------------------------|------------|
| 1.0 | initial release | 04/03/2017 |
| 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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