

MODEL: HSS-B20-NP-03 | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- clip for easy component attachment
- slim profile
- black anodized finish



MODEL

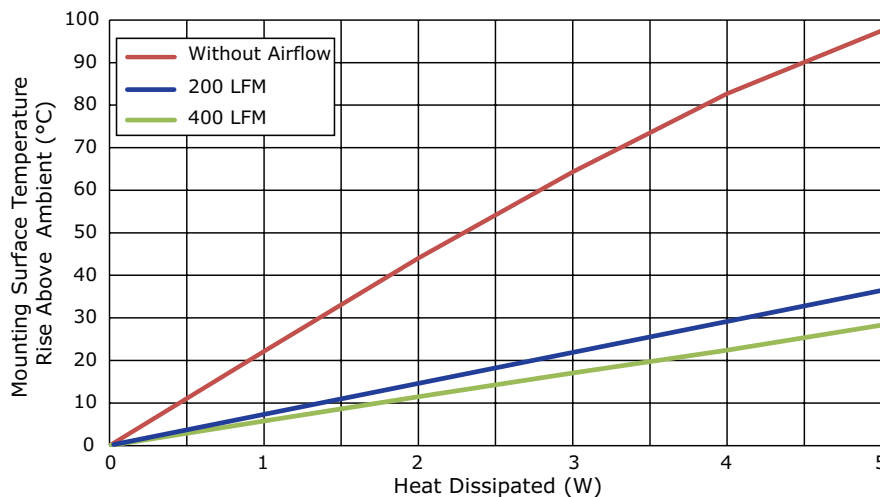
| HSS-B20-NP-03 | thermal resistance ¹ | | | | power dissipation ¹ |
|---------------|---------------------------------|------------------------|-----------------------|-----------------------|--------------------------------|
| | @ 75°C ΔT, nat conv [°C/W] | @ 1 W, nat conv [°C/W] | @ 1 W, 200 LFM [°C/W] | @ 1 W, 400 LFM [°C/W] | @ 75°C ΔT, nat conv [W] |
| | 20.83 | 22.14 | 7.45 | 5.76 | 3.60 |

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 | 22.14 | 7.45 | 5.76 |
| 2 | 44.04 | 14.81 | 11.46 |
| 3 | 64.31 | 22.07 | 17.07 |
| 4 | 82.72 | 29.35 | 22.44 |
| 5 | 97.49 | 36.44 | 28.27 |

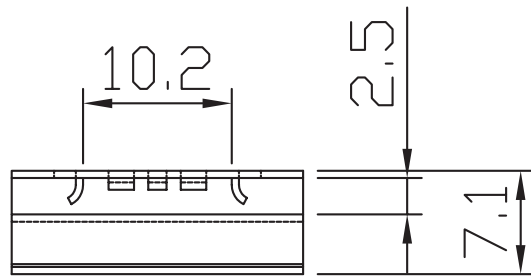
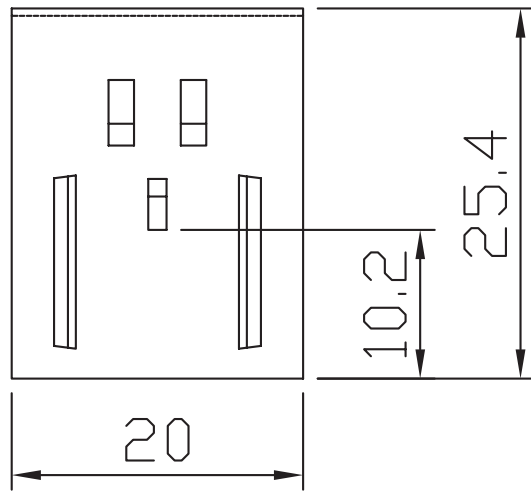
T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

| | |
|-----------|----------------|
| MATERIAL | AL5052 |
| FINISH | black anodized |
| THICKNESS | 0.8 mm |
| WEIGHT | 2.3 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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