

MODEL: HSS02-B20-P318 | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- solder pin
- aluminum alloy
- black anodized finish



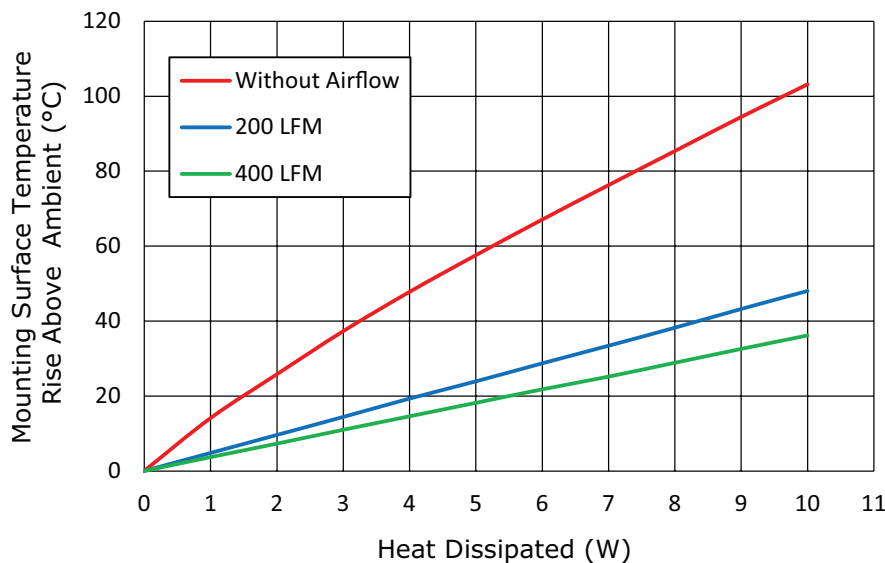
MODEL

| HSS02-B20-P318 | 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] |
| | 10.90 | 14.1 | 4.8 | 3.7 | 6.88 |

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 | 14.1 | 4.8 | 3.7 |
| 2 | 25.8 | 9.6 | 7.3 |
| 3 | 37.3 | 14.4 | 11.0 |
| 4 | 47.8 | 19.3 | 14.6 |
| 5 | 57.6 | 23.9 | 18.2 |
| 6 | 67.1 | 28.7 | 21.8 |
| 7 | 76.3 | 33.4 | 25.2 |
| 8 | 85.4 | 38.2 | 28.9 |
| 9 | 94.5 | 43.2 | 32.6 |
| 10 | 103.2 | 48.0 | 36.2 |

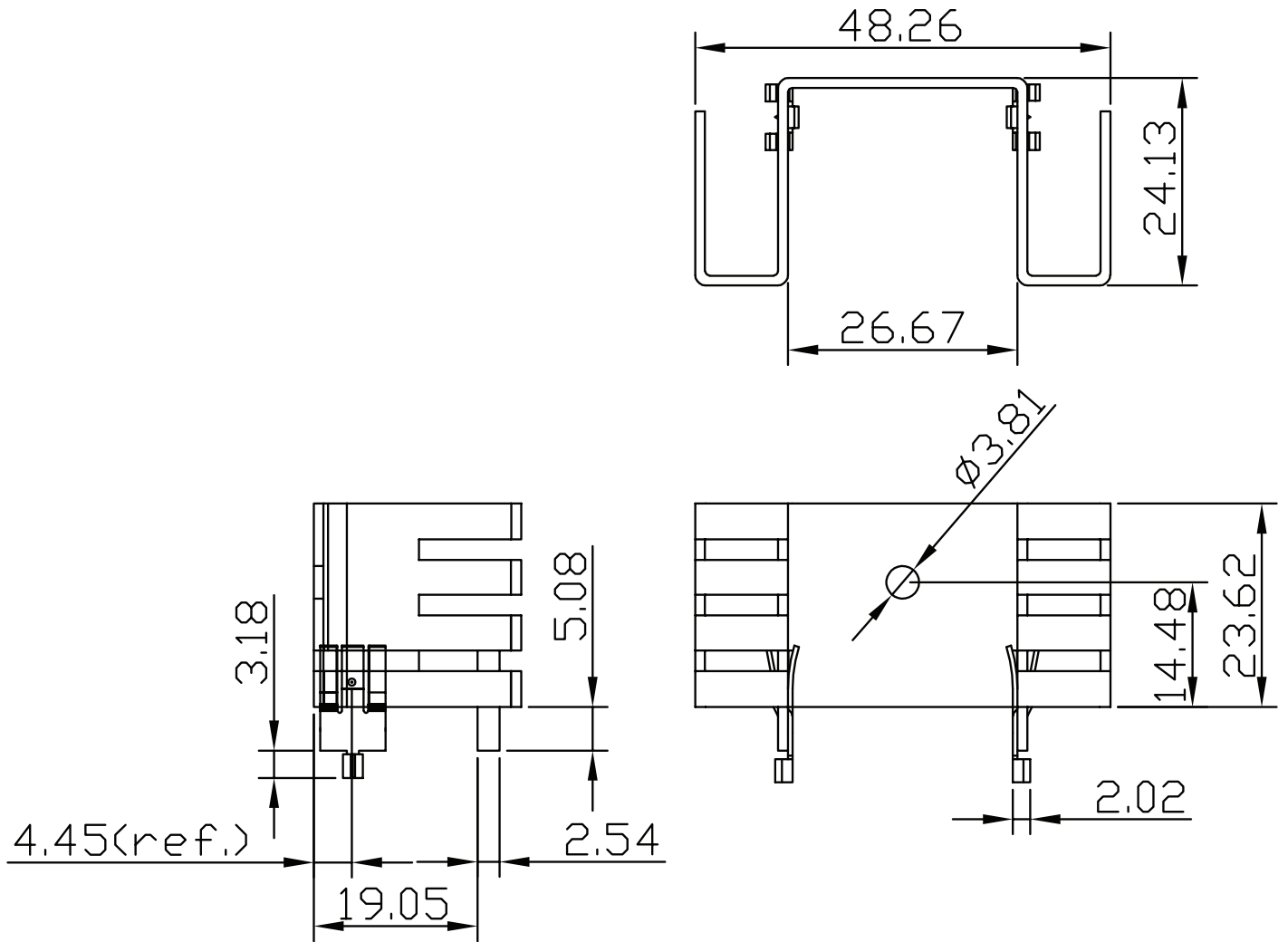


T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.3 mm

| | |
|--------------|-----------------|
| MATERIAL | AL 1050 |
| FINISH | black anodized |
| THICKNESS | 1.2 mm |
| PIN MATERIAL | phosphor bronze |
| PIN PLATING | 2-3 μm tin |
| WEIGHT | 9.1 g |



REVISION HISTORY

| rev. | description | date |
|------|------------------------------|------------|
| 1.0 | initial release | 06/25/2021 |
| 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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