

MODEL: HSS-B20-0452H | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- shur-lock tabs
- black anodized finish
- aluminum



MODEL

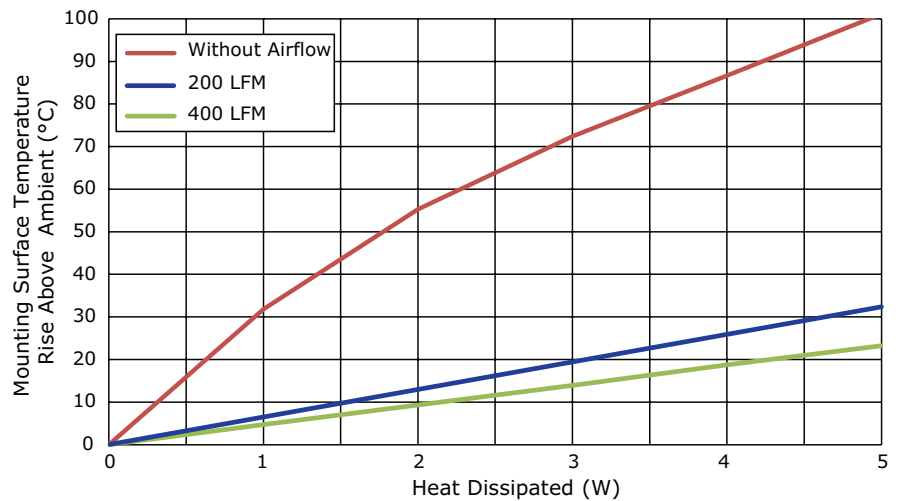
| | thermal resistance ¹ | | | | power dissipation ¹ @ 75°C ΔT, nat conv (W) |
|---------------|----------------------------------|------------------------------|-----------------------------|-----------------------------|---|
| | @ 75°C ΔT, nat conv (°C/W) | @ 1 W, nat conv (°C/W) | @ 1 W, 200 LFM (°C/W) | @ 1 W, 400 LFM (°C/W) | |
| HSS-B20-0452H | 23.81 | 31.83 | 6.40 | 4.74 | 3.15 |

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 | 31.83 | 6.40 | 4.74 |
| 2 | 55.26 | 12.91 | 9.31 |
| 3 | 72.42 | 19.27 | 13.93 |
| 4 | 86.68 | 25.77 | 18.75 |
| 5 | 101.18 | 32.39 | 23.22 |

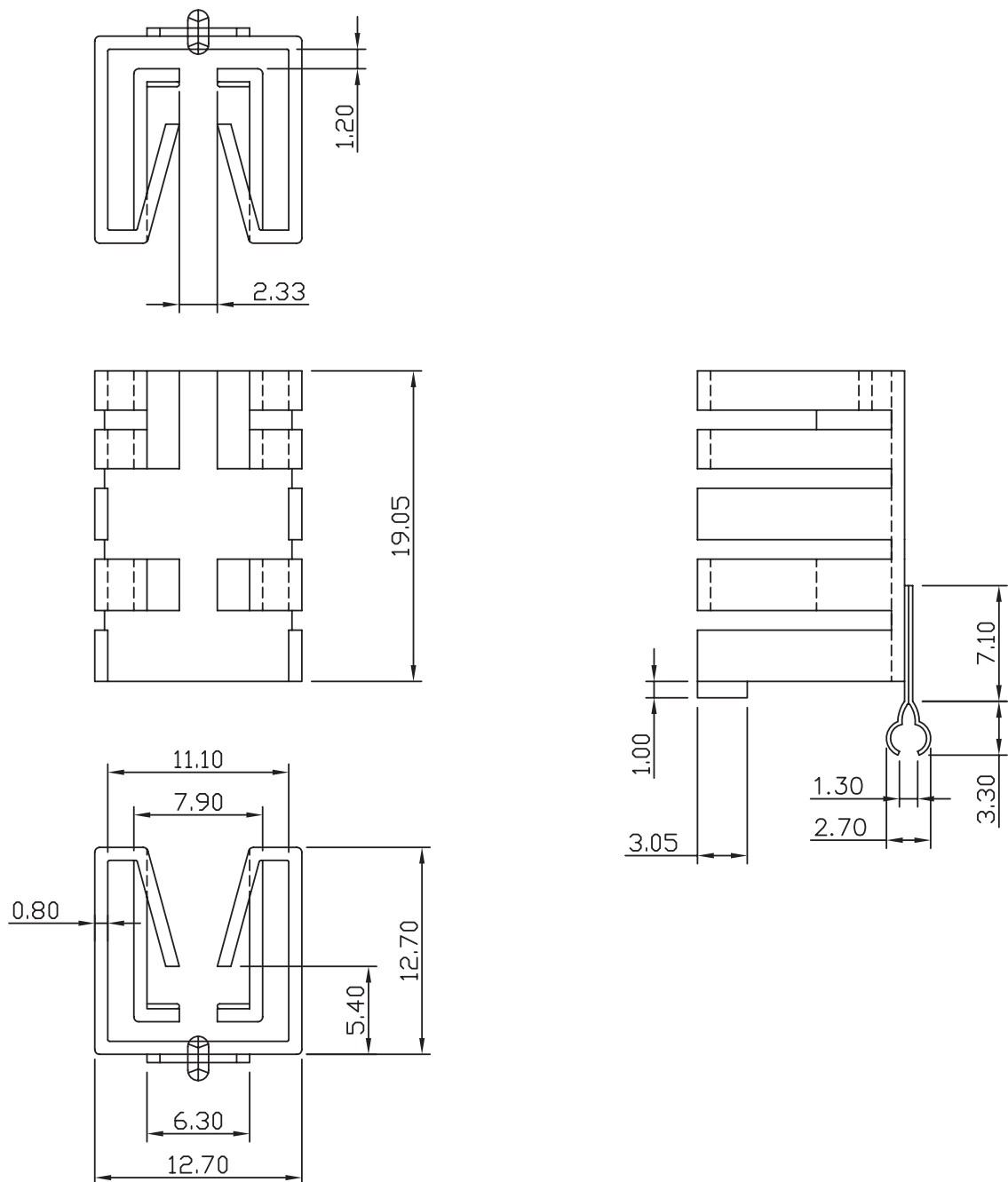
T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

| | |
|--------------|-----------------|
| MATERIAL | AL5052 |
| FINISH | black anodized |
| THICKNESS | 0.8 mm |
| PIN MATERIAL | phosphor copper |
| PIN PLATING | tin |
| WEIGHT | 2.0 g |



REVISION HISTORY

| rev. | description | date |
|-------------|--------------------|-------------|
| 1.0 | initial release | 03/30/2017 |

The revision history provided is for informational purposes only and is believed to be accurate.



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