

SERIES: HSS-B20-05 | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- available with and without solder pins
- black anodized finish
- aluminum



MODEL

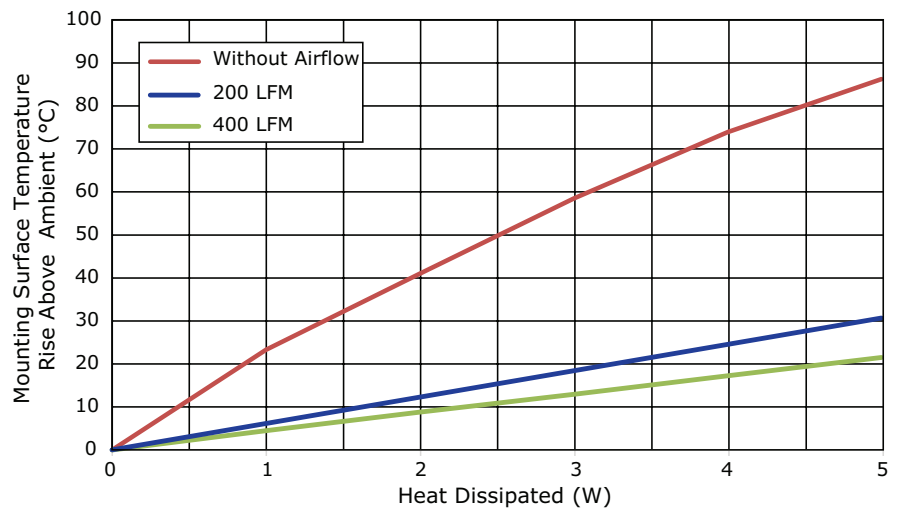
| | solder pin | | thermal resistance ¹ | | | | power dissipation ¹ @ 75°C ΔT, nat conv (W) |
|---------------|-------------|----------------|----------------------------------|------------------------------|-----------------------------|-----------------------------|---|
| | orientation | length (mm) | @ 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-B20-095H | horizontal | 9.5 | 18.34 | 23.32 | 6.50 | 4.48 | 4.09 |
| HSS-B20-NP-15 | no pin | -- | 18.34 | 23.32 | 6.50 | 4.48 | 4.09 |

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 | 23.32 | 6.50 | 4.48 |
| 2 | 41.07 | 12.47 | 8.78 |
| 3 | 58.53 | 18.87 | 12.95 |
| 4 | 73.99 | 25.00 | 17.27 |
| 5 | 86.32 | 30.94 | 21.52 |

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

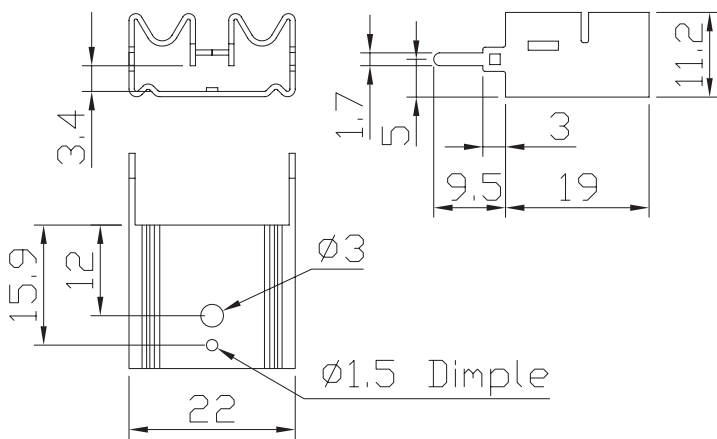


MECHANICAL DRAWING

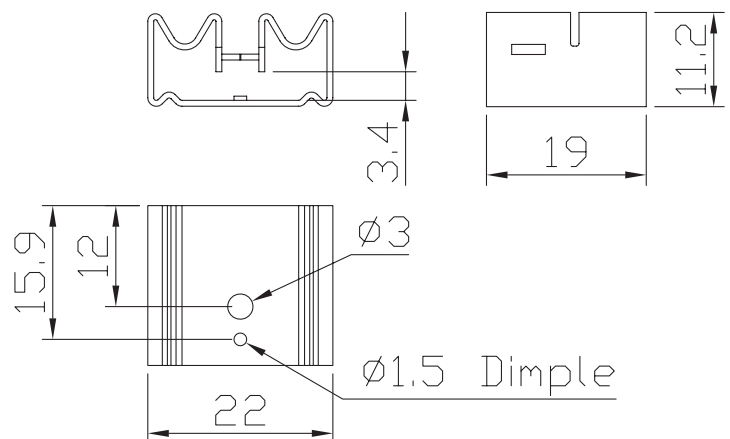
units: mm
tolerance: ± 0.5 mm

| | |
|-----------|---|
| MATERIAL | AL5052 |
| FINISH | black anodized |
| THICKNESS | 0.8 mm |
| WEIGHT | HSS-B20-095H: 2.9 g HSS-B20-NP-15: 2.9 g |

HSS-B20-095H



HSS-B20-NP-15



REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 03/29/2017 |
| 1.01 | brand update | 02/12/2020 |

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

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