

MODEL: HSS-B20-NP-12 | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- round hole for component attachment
- two hole options for longer components pins
- black anodized finish



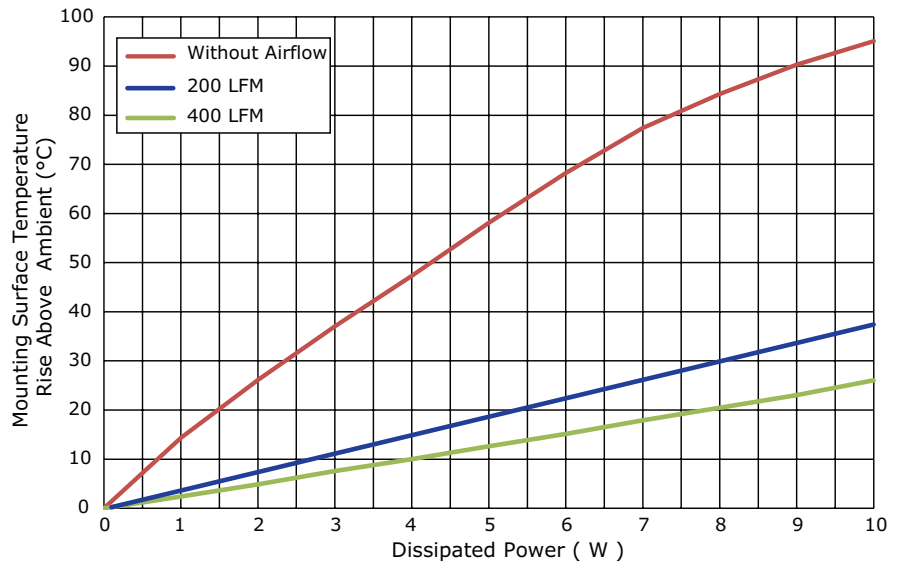
MODEL

| | 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-NP-12 | 11.03 | 14.33 | 3.47 | 2.42 | 6.80 |

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

PERFORMANCE CURVES

| Power (W) | Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C) | | |
|-----------|--|---------|---------|
| | Natural Conv. | 200 LFM | 400 LFM |
| 0 | 0 | 0 | 0 |
| 1 | 14.33 | 3.47 | 2.42 |
| 2 | 26.13 | 7.20 | 4.89 |
| 3 | 37.06 | 11.03 | 7.60 |
| 4 | 47.31 | 14.48 | 10.02 |
| 5 | 58.11 | 18.05 | 12.62 |
| 6 | 68.23 | 21.56 | 15.13 |
| 7 | 77.41 | 25.39 | 17.88 |
| 8 | 84.32 | 29.25 | 20.46 |
| 9 | 90.32 | 32.97 | 23.03 |
| 10 | 95.09 | 37.42 | 26.04 |

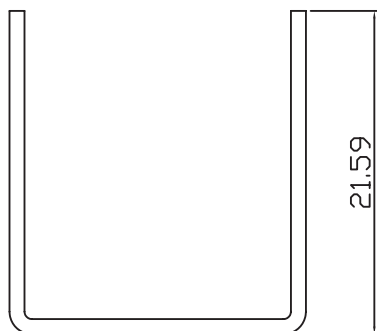
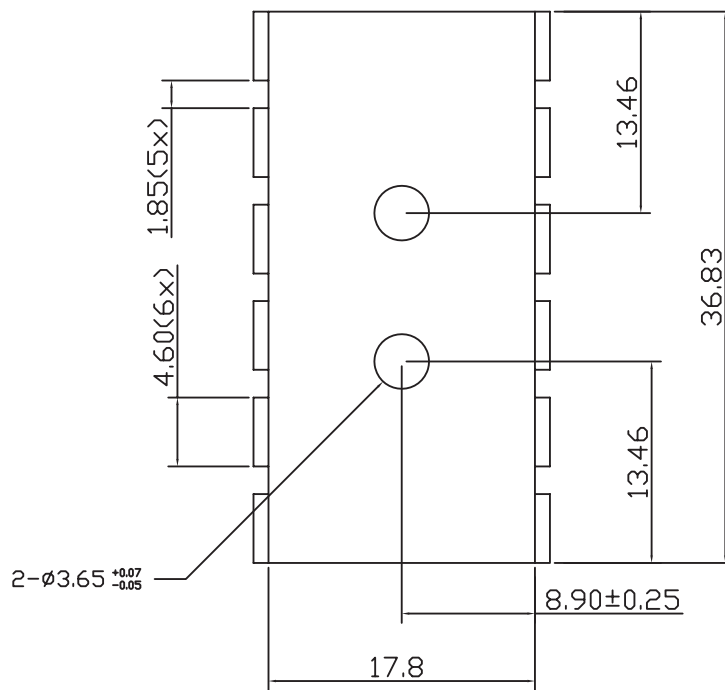


Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

| | |
|-----------|----------------|
| MATERIAL | AL1100 |
| FINISH | black anodized |
| THICKNESS | 1.0 mm |
| WEIGHT | 5.0 g |



REVISION HISTORY

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

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



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