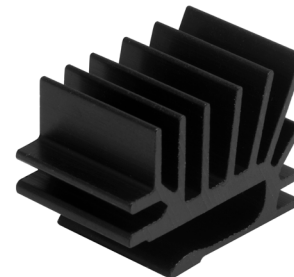


MODEL: HSE05-171933 | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 or TO-218 package
- low profile
- aluminum alloy



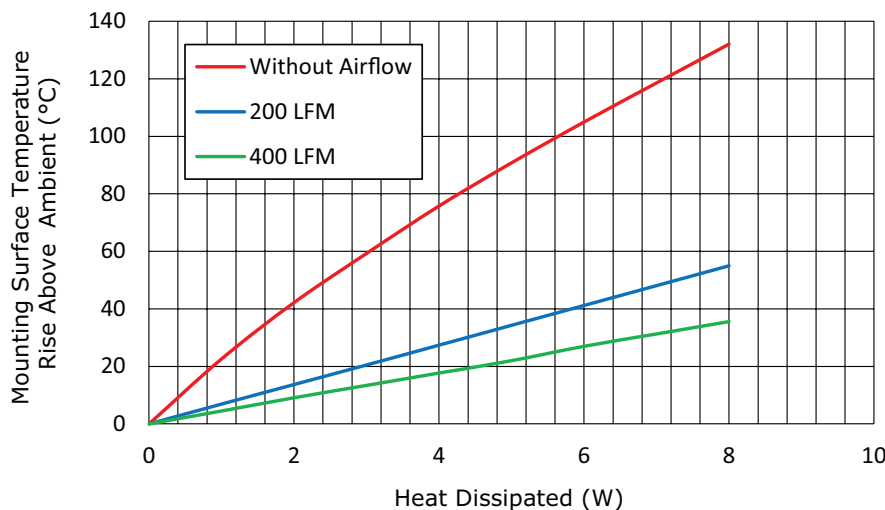
MODEL

| HSE05-171933 | 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] |
| | 18.83 | 22.6 | 6.9 | 4.5 | 3.98 |

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 | 22.6 | 6.9 | 4.5 |
| 2 | 42.2 | 13.7 | 9.1 |
| 3 | 59.3 | 20.5 | 13.4 |
| 4 | 75.8 | 27.4 | 17.7 |
| 5 | 90.8 | 34.3 | 22.0 |
| 6 | 105.0 | 41.2 | 27.0 |
| 7 | 118.6 | 48.1 | 31.3 |
| 8 | 132.1 | 55.0 | 35.6 |

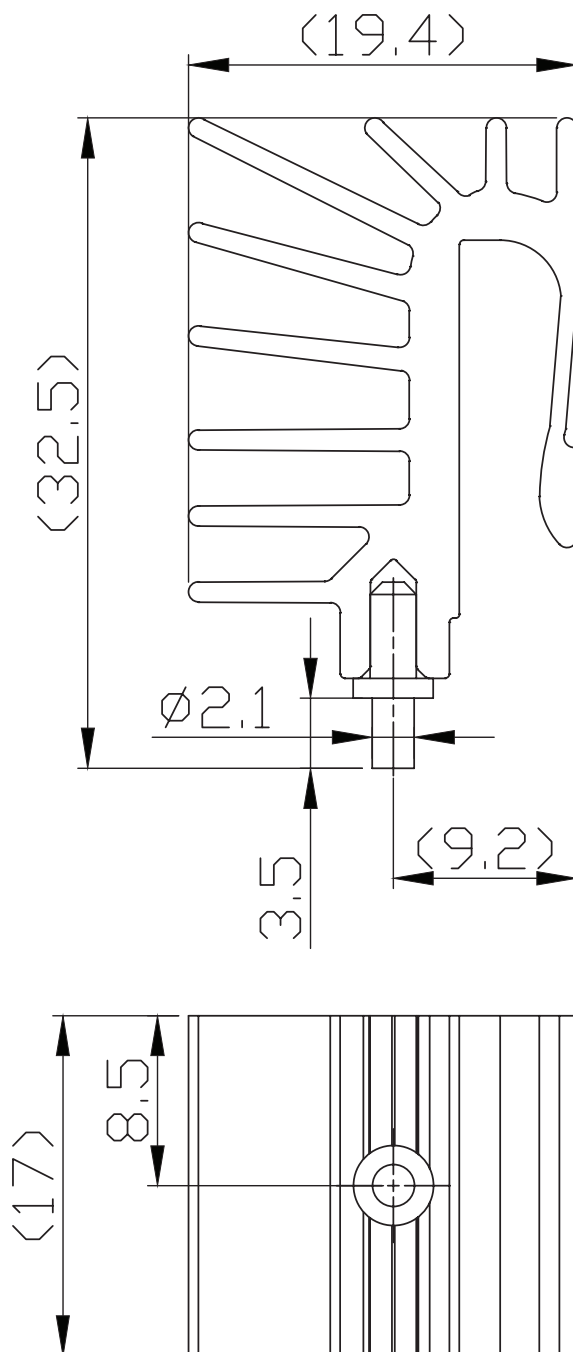


T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

| | |
|--------------|----------------|
| MATERIAL | AL 6063-T5 |
| FINISH | black anodized |
| PIN MATERIAL | steel |
| PIN PLATING | tin |
| WEIGHT | 9.6 g |



REVISION HISTORY

| rev. | description | date |
|------|------------------------------|------------|
| 1.0 | initial release | 04/25/2022 |
| 1.01 | logo, datasheet style update | 08/05/2022 |

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



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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