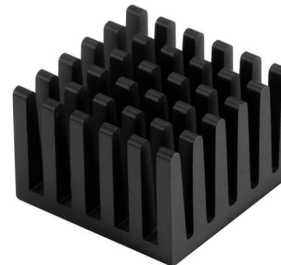


MODEL: HSB05-171711 | DESCRIPTION: HEAT SINK

FEATURES

- BGA design
- small footprint
- aluminum alloy
- black anodized finish



MODEL

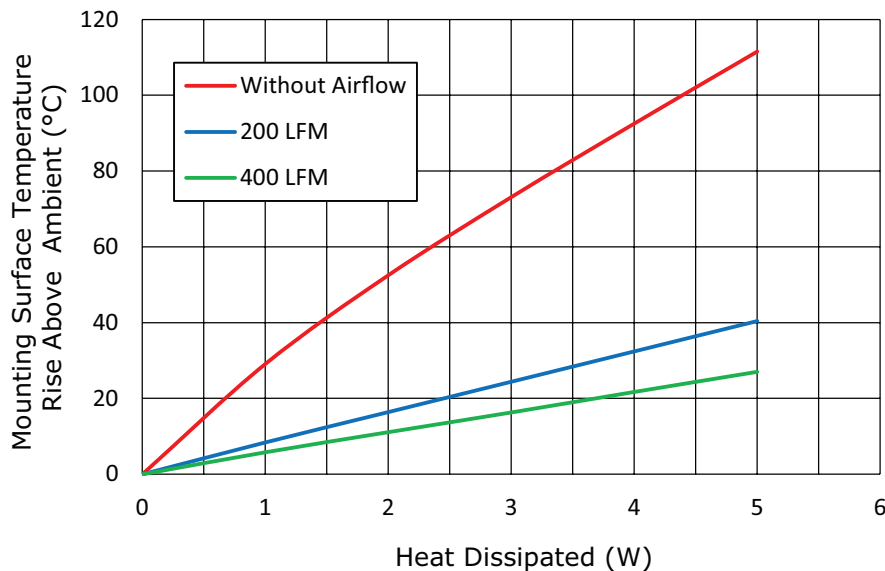
| MODEL | thermal resistance ¹ | | | | power dissipation ¹ |
|--------------|---------------------------------|------------------------|-----------------------|-----------------------|--------------------------------|
| | @ 75°C ΔT, nat conv (°C/W) | @ 1 W, nat conv (°C/W) | @ 1 W, 200 LFM (°C/W) | @ 1 W, 400 LFM (°C/W) | @ 75°C ΔT, nat conv (W) |
| HSB05-171711 | 23.91 | 29.1 | 8.4 | 5.8 | 3.14 |

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 | 29.1 | 8.4 | 5.8 |
| 2 | 52.5 | 16.4 | 11.1 |
| 3 | 73.1 | 24.4 | 16.3 |
| 4 | 92.5 | 32.4 | 21.7 |
| 5 | 111.5 | 40.2 | 27.0 |

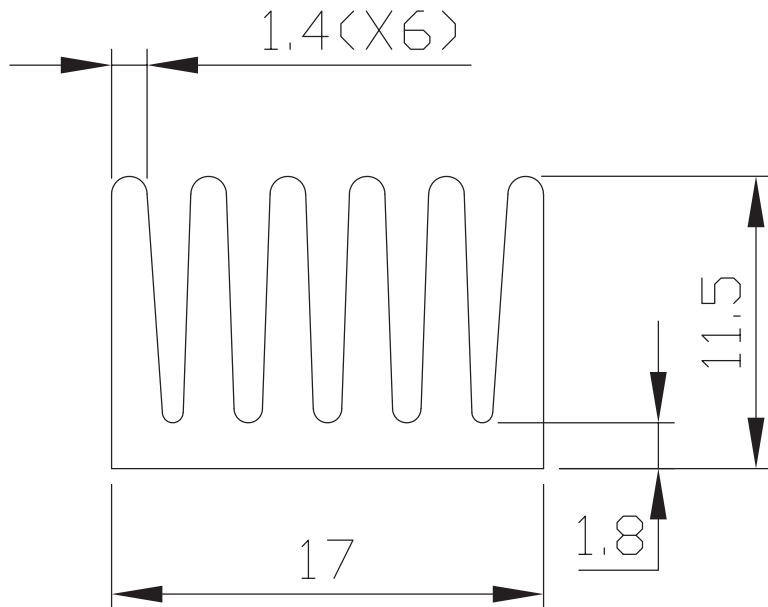
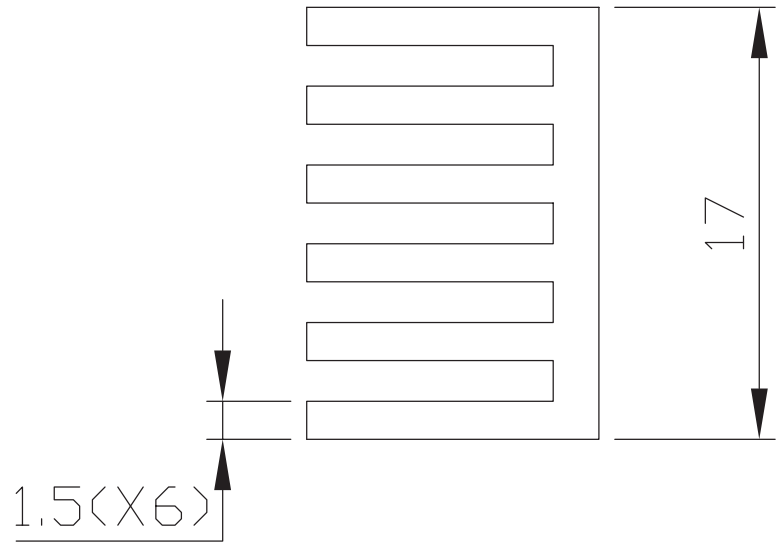
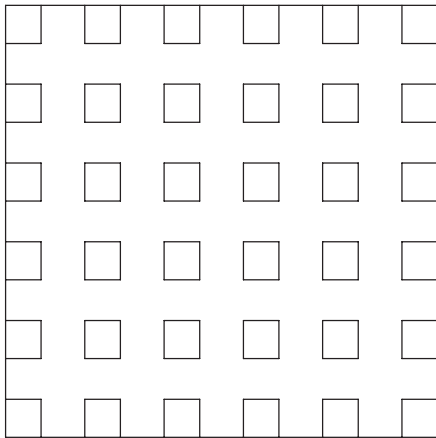
T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.38 mm

| | |
|----------|----------------|
| MATERIAL | AL 6063-T5 |
| FINISH | black anodized |
| WEIGHT | 3.8 g |



REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 06/24/2021 |

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

CUI DEVICES

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

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