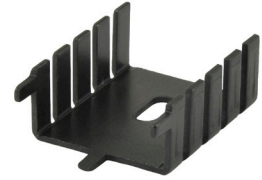




SERIES: HSS-B20-0508H | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- round or slot hole attachment options
- three tabs for stable PCB placement
- black anodized finish



MODEL

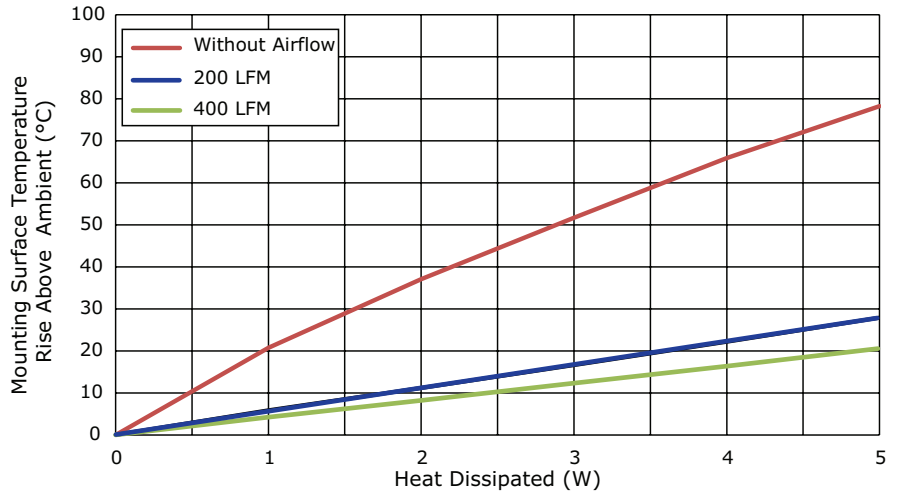
| | mounting hole | | thermal resistance ¹ | | | | power dissipation ¹ |
|-------------------|---------------|--------------|---------------------------------|------------------------|-----------------------|-----------------------|--------------------------------|
| | type | size (mm) | @ 75°C ΔT, nat conv (°C/W) | @ 1 W, nat conv (°C/W) | @ 1 W, 200 LFM (°C/W) | @ 1 W, 400 LFM (°C/W) | @ 75°C ΔT, nat conv (W) |
| HSS-B20-0508H-01R | round | ∅3.81 | 15.83 | 20.74 | 5.87 | 4.22 | 4.74 |
| HSS-B20-0508H-01S | slot | 3.9 x 9.52 | 15.83 | 20.74 | 5.87 | 4.22 | 4.74 |

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 | 20.74 | 5.87 | 4.22 |
| 2 | 37.04 | 11.20 | 8.21 |
| 3 | 51.71 | 16.65 | 12.28 |
| 4 | 65.89 | 22.18 | 16.35 |
| 5 | 78.28 | 27.93 | 20.51 |

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

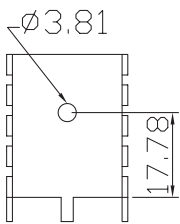


MECHANICAL DRAWING

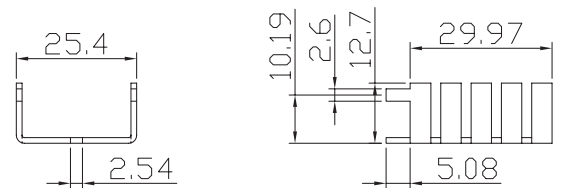
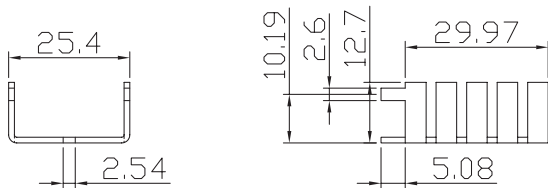
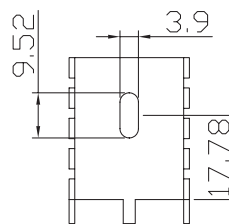
units: mm
tolerance: ±0.5 mm

| | |
|-----------|--|
| MATERIAL | AL1050 |
| FINISH | black anodized |
| THICKNESS | 1.2 mm |
| WEIGHT | HSS-B20-0508H-01R: 4.3 g HSS-B20-0508H-01S: 4.3 g |

HSS-B20-0508H-01R



HSS-B20-0508H-01S



REVISION HISTORY

| rev. | description | date |
|------|-----------------------------------|------------|
| 1.0 | initial release | 03/29/2017 |
| 1.01 | brand update | 02/12/2020 |
| 1.02 | logo, datasheet style update | 08/05/2022 |
| 1.03 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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



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

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