

**MODEL:** HSS-B20-0508H-01 | **DESCRIPTION:** HEAT SINK

**FEATURES**

- TO-220 package
- round hole for component attachment
- solder pins for secure PCB mounting
- black anodized finish



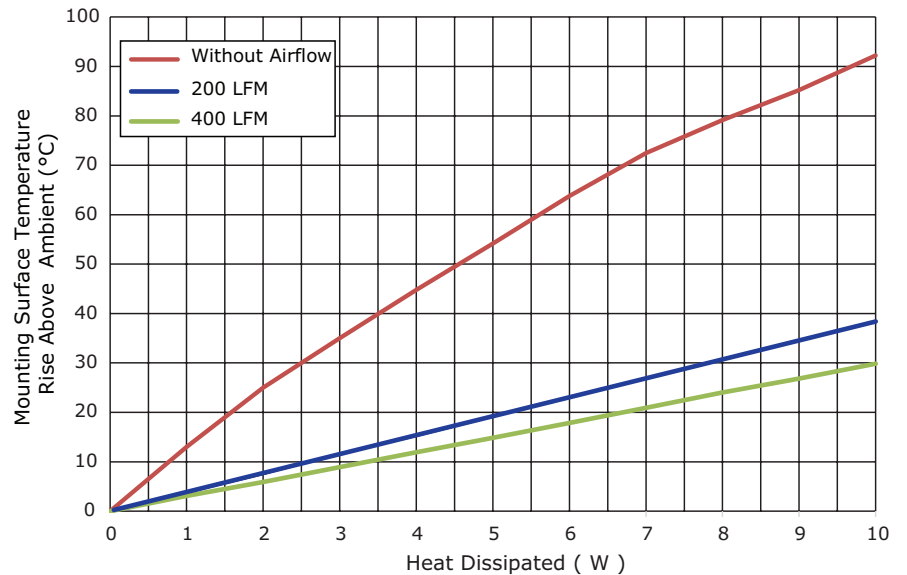
**MODEL**

	<b>thermal resistance<sup>1</sup></b>				<b>power dissipation<sup>1</sup></b>
	<b>@ 75°C ΔT, nat conv (°C/W)</b>	<b>@ 1 W, nat conv (°C/W)</b>	<b>@ 1 W, 200 LFM (°C/W)</b>	<b>@ 1 W, 400 LFM (°C/W)</b>	<b>@ 75°C ΔT, nat conv (W)</b>
HSS-B20-0508H-01	10.14	12.99	3.51	3.10	7.40

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

**PERFORMANCE CURVES**

Power (W)	Heatsink Temperature Rise Above Ambient ( $\Delta T = T_{hs} - T_a$ ) (°C)		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	12.99	3.51	3.10
2	24.98	7.29	5.90
3	35.01	11.39	8.91
4	44.78	15.00	11.93
5	54.16	18.87	14.84
6	63.78	22.93	17.86
7	72.49	26.77	20.92
8	79.12	30.54	24.03
9	85.23	34.46	26.83
10	92.25	38.38	29.87

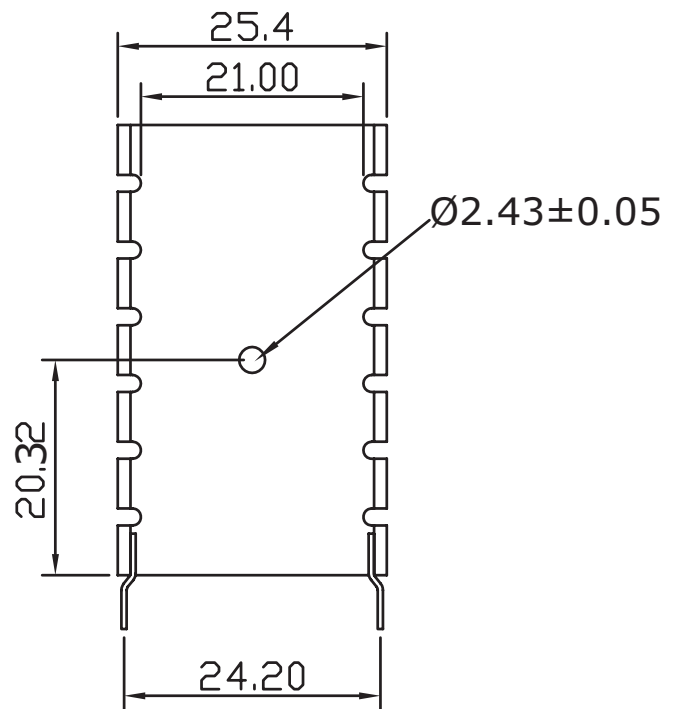
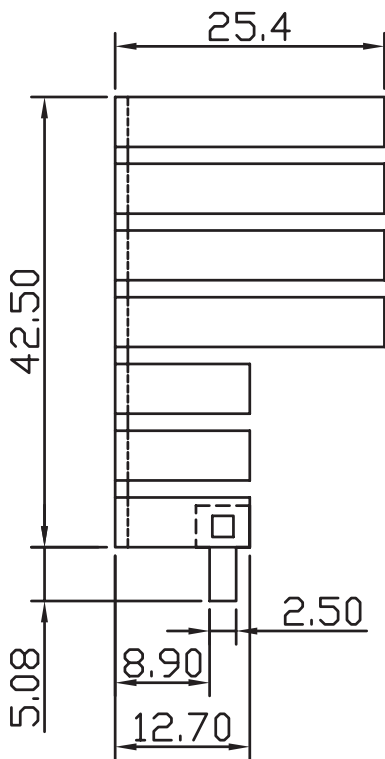
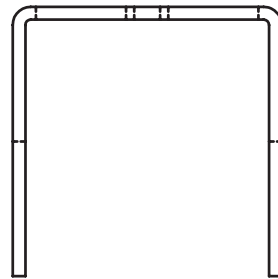


$T_{hs}$ : "hot spot" temperature measured on the heatsink  
 $T_a$ : ambient temperature

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

MATERIAL	AL1100
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	7.8 g



## REVISION HISTORY

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

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