

**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**

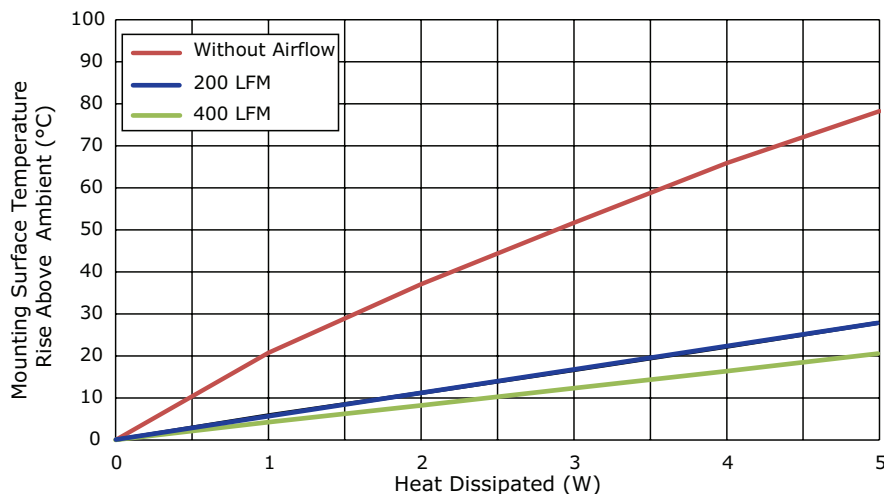
	mounting hole		thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>
	type	size (mm)	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSS-B20-0508H-01R	round	Ø3.81	15.83	20.74	5.87	4.22	4.74
HSS-B20-0508H-01S	slot	3.9 x 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 ( $\Delta T = T_{hs} - T_a$ ) (°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

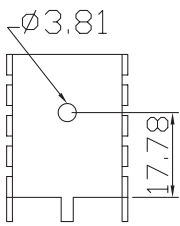


## MECHANICAL DRAWING

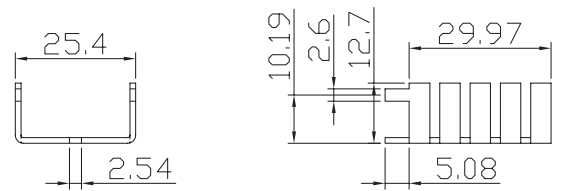
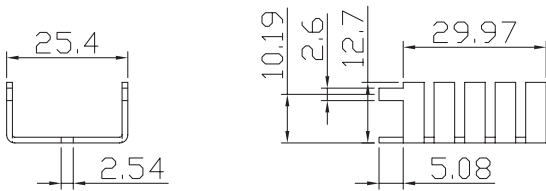
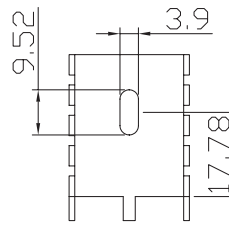
units: mm  
tolerance: ±0.5 mm

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

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rev.	description	date
1.0	initial release	03/29/2017
1.01	brand update	02/12/2020

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

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# CUI DEVICES

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