

## 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

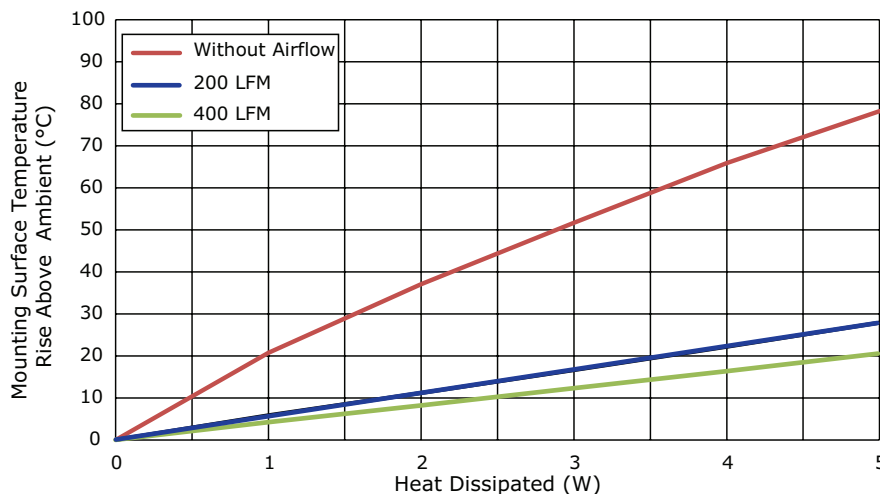
MODEL	mounting hole		thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>
	type	size (mm)	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSS-B20-0508H-01R	round	Ø3.81	15.83	20.74	5.87	4.22	4.74
HSS-B20-0508H-01S	slot	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 (ΔT = T <sub>hs</sub> - T <sub>a</sub> ) (°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<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
 T<sub>a</sub>: ambient temperature

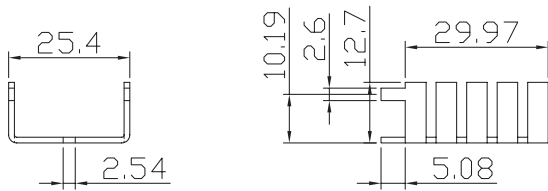
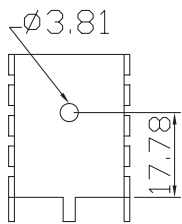


## MECHANICAL DRAWING

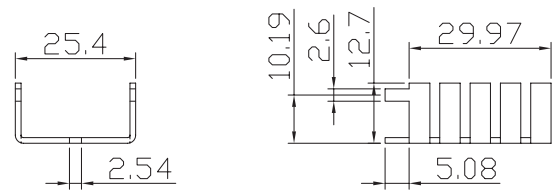
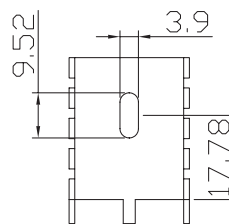
units: mm  
tolerance: ±0.5 mm

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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