

**SERIES: HSS-B20-04 | DESCRIPTION: HEAT SINK**
**FEATURES**

- TO-220 package
- available with and without solder pins
- slide in style for easy component attachment
- black anodized finish


**MODEL**

MODEL	solder pin		thermal resistance <sup>1</sup>			power dissipation <sup>1</sup> @ 75°C ΔT, nat conv (W)	
	orientation	length (mm)	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)		
HSS-B20-061H-01	horizontal	6.1	33.28	37.62	11.04	8.48	2.25
HSS-B20-0953H-01	horizontal	9.53	33.28	37.62	11.04	8.48	2.25
HSS-B20-NP-07	no pin	--	33.28	37.62	11.04	8.48	2.25

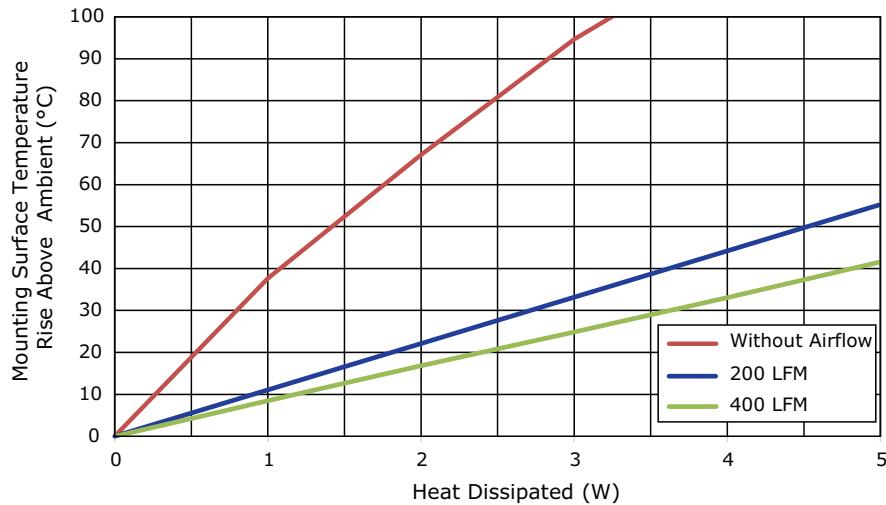
Note: 1. See performance curves for full thermal resistance details.

**PERFORMANCE CURVES**

Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)			
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	37.62	11.04	8.48
2	67.10	22.01	16.80
3	94.67	32.92	24.82
4	116.45	43.78	32.98
5	135.00	55.12	41.47

Ths: "hot spot" temperature measured on the heatsink

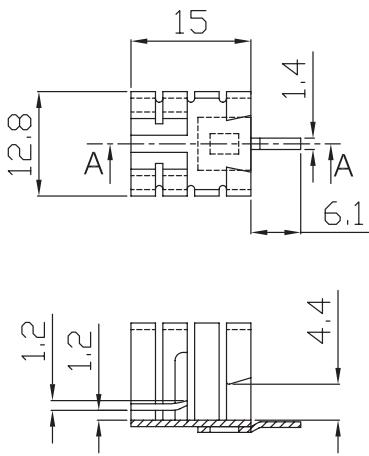
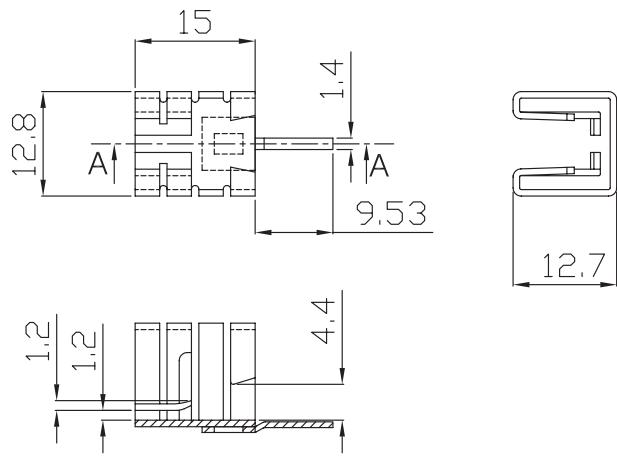
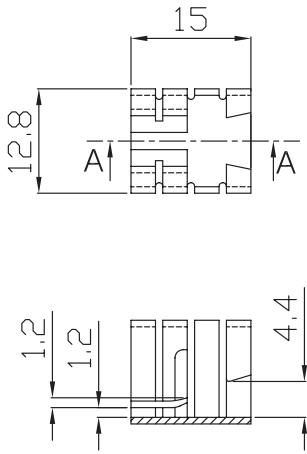
Ta: ambient temperature



**MECHANICAL DRAWING**

units: mm  
tolerance:  $\pm 0.5$  mm

MATERIAL	AL5052
FINISH	black anodized
THICKNESS	0.8 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	HSS-B20-061H-01: 1.6 g HSS-B20-0953H-01: 1.6 g HSS-B20-NP-07: 1.3 g

**HSS-B20-061H-01**SECTION A-A**HSS-B20-0953H-01**SECTION A-A**HSS-B20-NP-07**SECTION A-A

## REVISION HISTORY

rev.	description	date
1.0	initial release	03/29/2017

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



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