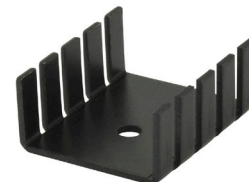


## SERIES: HSS-B20-NPX-01 | DESCRIPTION: HEAT SINK

### FEATURES

- TO-220 package
- round or slot hole attachment options
- black anodized finish
- aluminum



### MODEL

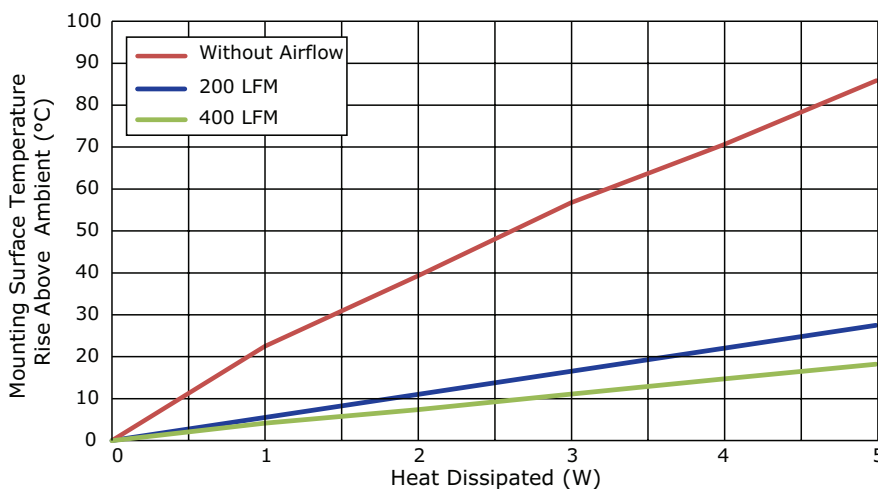
MODEL	mounting hole		thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>
	type	size (mm)	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSS-B20-NPR-01	round	Ø3.81	17.74	22.47	5.88	4.17	4.23
HSS-B20-NPS-01	slot	3.9 x 9.52	17.74	22.47	5.88	4.17	4.23

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	22.47	5.88	4.17
2	39.28	11.26	7.41
3	56.71	16.66	11.08
4	70.54	21.77	14.72
5	85.88	27.51	18.27

T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
 T<sub>a</sub>: ambient temperature

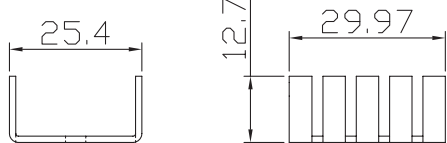
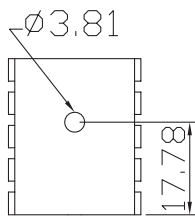


## MECHANICAL DRAWING

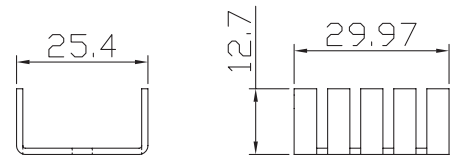
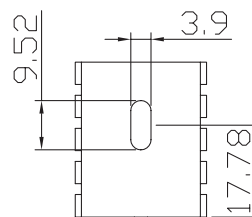
units: mm  
tolerance: ±0.5 mm

MATERIAL	AL1050
FINISH	black anodized
THICKNESS	1.2 mm
WEIGHT	HSS-B20-NPR-01: 4.3 g HSS-B20-NPS-01: 4.3 g

**HSS-B20-NPR-01**



**HSS-B20-NPS-01**



## REVISION HISTORY

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rev.	description	date
1.0	initial release	03/30/2017
1.01	brand update	02/13/2020

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

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# CUI DEVICES

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

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