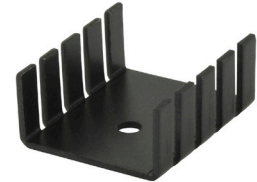


**SERIES:** HSS-B20-NPX-01 | **DESCRIPTION:** HEAT SINK

**FEATURES**

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


**MODEL**

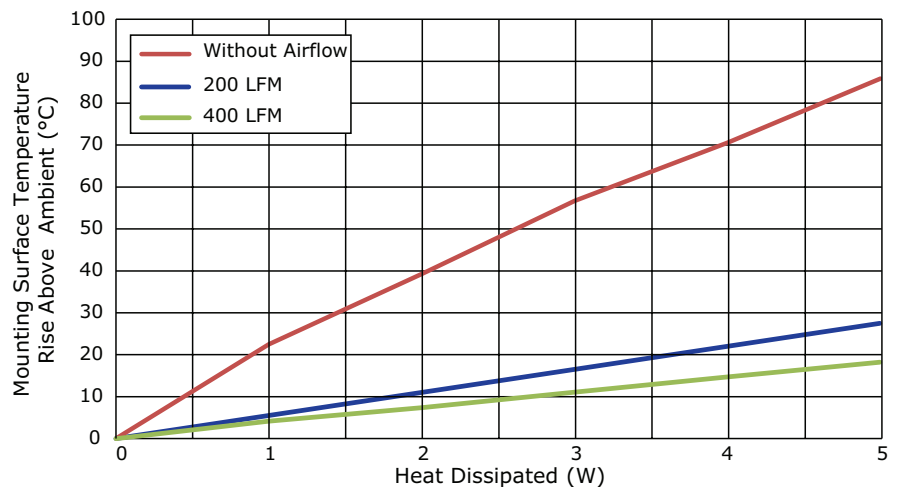
	mounting hole		thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>
	type	size [mm]	@ 75°C $\Delta T$ , nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C $\Delta T$ , nat conv [W]
HSS-B20-NPR-01	round	Ø3.81	17.74	22.47	5.88	4.17	4.23
HSS-B20-NPS-01	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 ( $\Delta T = T_{hs} - T_a$ ) [°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

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

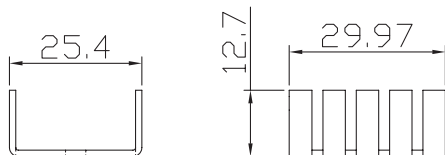
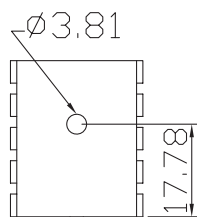


## MECHANICAL DRAWING

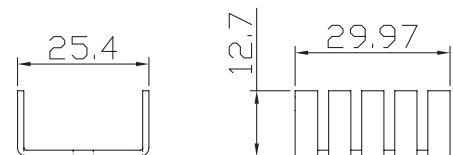
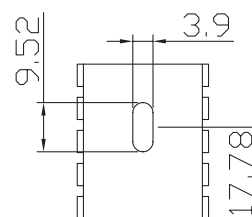
units: mm  
tolerance:  $\pm 0.5$  mm

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

rev.	description	date
1.0	initial release	03/30/2017
1.01	brand update	02/13/2020
1.02	logo, datasheet style update	08/05/2022

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



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

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