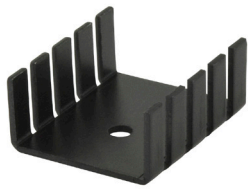
CUI INC®

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

FEATURES

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



RoHS

MODEL

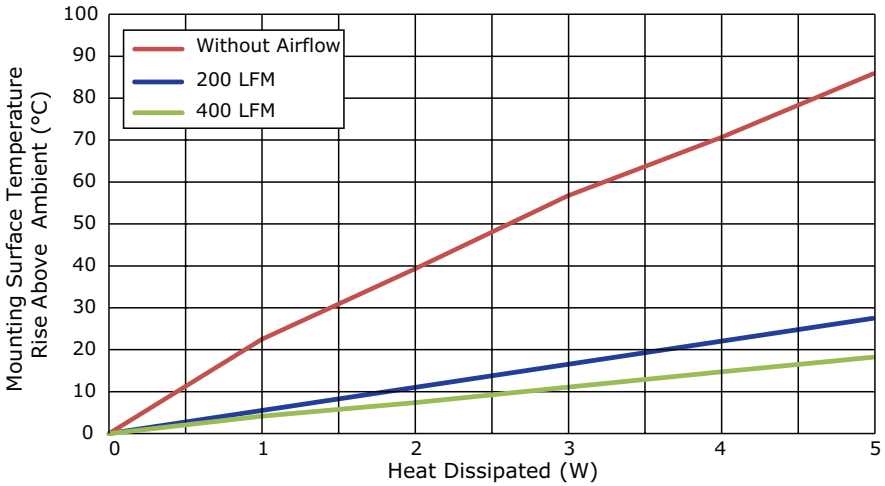
MODEL	mounting hole		thermal resistance[1]				power dissipation[1]
	type	size (mm)	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSS-B20-NPR-01	round	Ø3.81	17.74	22.47	5.88	4.17	4.23
HSS-B20-NPS-01	slot	3.9 x 9.52	17.74	22.47	5.88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

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

PERFORMANCE CURVES

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	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

Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

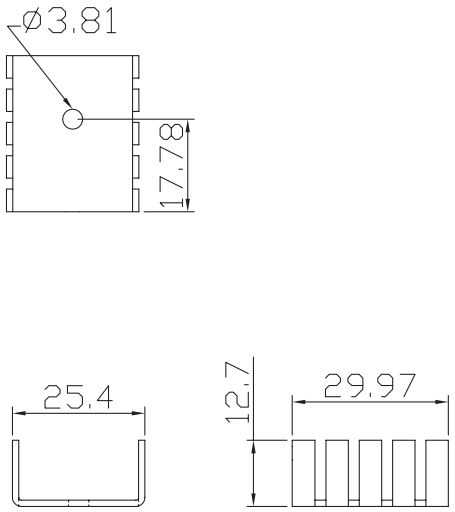


MECHANICAL DRAWING

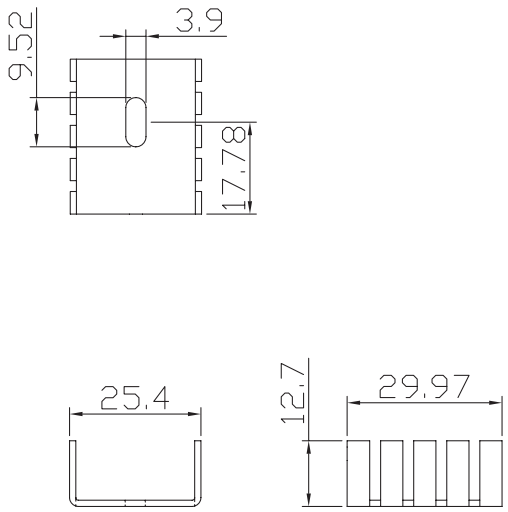
units: mm
tolerance: ±0.5 mm

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

rev.	description	date
1.0	initial release	03/30/2017

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

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